

Chicken Abs against deduced proteins from Chromosome 21

Protein ID, Abs Part No.	GenBank AC No.	Description	Rec. protein MW (kDa)	Brain western blot	Testis western blot	Placenta western blot
BACH1.3	[AB002803] [AF026199]	transcription regulator protein Gene Ontology: nucleic acid binding / transcription and translation	100	+	+++	++
C21orf19.1	[AF363446]	Homo sapiens C21orf19-like protein	30*			
C21orf30.1	[AL117578]	intronless long ORF, AL117578	30*			
C21orf59.1	alias: TCP10L [AF282851] [AK000474] [AX011690]	gene similar to TCP10, spliced ESTs AA465232/T18865 nucleic acid binding / transcription and translation	37*			
C21orf66.3	alias: GCFC [AF153208] [AF231920]	human GC-rich sequence DNA-binding factor candidate nucleic acid binding / transcription and translation	30*			
C21orf69.1	[AY035381]	exon prediction only unknown gene	21*			
C21orf7.1	[AF269161] [AF269162] [AF269163] [AF269164]	putative gene, TGF-beta- activated kinase like protein, signal transduction / intracellular signaling	28*			
C21orf77.3	[AK001794]	protooncogene / unknown	16*			
C21orf78.6	[AK000468]	unknown function Gene Ontology: chaperone / protein folding and degradation	40	+	+	+
C21orf91.6	[AK023825]	gene of unknown function	23*			
C21orf96.3	[AK024509]	Unknown function	16*			
C21orf97.1	[AK024977]	Unknown function	29*			

D21S2056E.1	[U79775] [AL137757]	human NNP-1/Nop52 (NNP-1), novel nuclear protein 1	54*			
DNMT3L.1	[AF194032]	cytosine-5-methyltransferase 3-like protein, nucleic acid binding / DNA replication and modification, ADD zinc finger-like protein involved in the establishment of maternal genomic imprints	47	+	+	+
DNMTA1.1	[AF139682]	DNA-methyltransferase (adenine-specific) 1, putative (N6-DNA-methyltransferase) Gene Ontology: nucleic acid binding / DNA replication and modification	23*			
DSCR1.3	[U28833] [AY007090] [U85265] [U85266] [U85267]	human Down syndrome candidate region protein, proline-rich protein Gene Ontology: signal transduction / intracellular signaling endogenous inhibitor of calcineurin signalling.	25*			
ETS2.3	[J04102]	human erythroblastosis virus oncogene homolog 2, nucleic acid binding / transcription and translation, transcription factor.	55	+	+++	+++
HLCS.2	[D87328] [D23672]	holocarboxylase synthetase, EC 6.3.4., Key enzyme in biotin utilization in eukaryotic cells.	85*			
HRMT1L1.1	[X99209] [U80213]	protein arginine N-methyltransferase 2, EC 2.1.1., enzyme / intracellular signaling Domains: Src homology 3 Domains, active in mRNA metabolism, modulates the activity of RNA binding proteins through methylation, interacts with hnRNP E1B-AP5	55*			
HSF2BP.3	[AB007131]	heat shock transcription factor 2 binding protein Gene Ontology: signal transduction / intracellular signaling	38*			
MRPS6.1	[AB049942]	mitochondrial ribosomal protein S6	17*			

PCBP3.1	[AF176329]	poly (rC)-binding protein 3, nucleic acid binding / transcription and translation, K homology (hn-RNP K homology) RNA-binding Domains, possible role in post-transcriptional control	37*			
PCP4.1	[U52969] [X93349]	brain specific polypeptide PEP19, neuron specific protein binds calmodulin (antagonist), modulates activation of calmodulin kinase II	13*			
PDE9A.1	[AF067223] [AF048837] [AF067224] [AF067225] [AF067226]	CGMP-specific 3',5'-cyclic phosphodiesterase type 9, EC 3.1.4.17.. signal transduction / intracellular signaling. metal dependent phosphohydrolases with conserved 'HD' motif	65*			
PDXK.1	[U89606]	human pyridoxal kinase, EC 2.7.1.35., catalyses the phosphorylation of the vitamine B6 (active form of vitamine B6 is the prydoxal phosphate)	38	+	+	-
PKNOX1.1	[U68727] [Y13613]	human homeobox-containing protein. signal transduction / transcription and translation, contains homeoDomains, transcriptional regulator forms heterodimers with Pbx proteins for DNA binding activity	65	+	+++	+++
PPIA3L.3	[AF243140]	peptidylprolyl isomerase A (cyclophilin A)-like 3 Gene Ontology: enzyme / protein folding and degradation	23	+++	+	++
PSMD4.1	[AF050199]	proteasome 26S subunit gene	27	+++	NA	NA
RPS5L.1	[U14970]	human ribosomal protein S5 mRNA, complete cds	20*			
S100B.1	[M59488]	S-100 calcium-binding protein, beta chain, select calcium binding protein / intracellular signaling, family of Ca2+-binding proteins	12*			

SAMSN1.3	[AF218085] [AF222927]	SH3-SAM adaptor protein (HACS1) Gene Ontology: protooncogene / intracellular signaling Domains: SH3 SAM: Sterile alpha motif. Widespread Domains in signalling and nuclear proteins	53*
SH3BGR.1	[X93498]	21-Glutamic Acid-Rich Protein (21-GARP) Gene Ontology: signal transduction / intracellular signaling SH3 binding.	29*
SNF1LK.1	BF982255, AW503500, BE001845, BE247296, BF914785	gene similar to rat protein kinase (KID2); Serine/Threonine protein kinases catalytic Domains	54*
SOD1.1	[X02317] [E00882] [E06743] [E06789] [M13267]	Cu/Zn superoxide dismutase, EC 1.15.1.1.	19*
U2AF1.2	[M96982]	human U2 snRNP auxiliary factor small subunit, nucleic acid binding / transcription and translation, zinc finger, RNA recognition motif, associated with U2AF to form the U2 small nuclear ribonucleoprotein auxiliary factor, involved in splicing mechanisms	34*
UBASH3A.1	[AJ277750]	gene similar to UBA containing SH3 Domains, signal transduction / intracellular signaling. SH3 and ubiquitin-associated (UBA) Domains, potential nuclear protein restricted to hematopoietic tissues	60*
UBE2G2.1	[AF032456]	human ubiquitin conjugating enzyme G2, enzyme / protein folding and degradation, homologue of the Saccharomyces cerevisiae ubc7 gene	21*

WDR9.3	[AK002177]	gene homolog to cAMP response element binding and beta-tranducin family Gene Ontology: signal transduction / intracellular signaling	57*	+	++	+++
ABCG1_extra	[X91249]	white protein homolog (ATP-binding cassette transporter 8), transporter / transport, ATPasesuperfamily of transporter proteins, putative ATP phosphohydrolase (EC 3.6.4.10) transmembrane protein, involved in cholesterol metabolism in macrophages	53*			
APP_extra	[Y00264] [A02759] [A31584] [A33292] [A33293] [E02400] [M18734] [M33112]	amyloid A4 precursor of Alzheimer's disease	120*			
CXADR_Intra	[U90716] [Y07593]	coxsackievirus B-adenovirus receptor protein	20*			
C21orf63_extra	[AY040087]	C21orf63 isoform B rotein (C21orf63) mRNA, complete cds	33*			
CLDN14_intra	[AF314090]	cell adhesion / cytoskeletal and structural member of family of integral membrane proteins localized at tight junctions, Ca(2+)-independent cell-adhesion activity in endothelial cells.	14*			
IFNGR2_intra	[U05875] [U05877]	interferon-gamma receptor beta chain precursor	15*			
IFNAR2_intra	[X77722] [A45964] [AR048223] [L41942] [L41944] [X89772]	human interferon alpha/beta receptor Gene Ontology: signal transduction / cell-cell	15*			

IL10RB_intra	[Z17227]	human transmembrane receptor protein; cytokine receptor	17*
KCNE2_intra	[AF071002] [AF302095]	human minK-related peptide 1, potassium channel subunit, MiRP1, ion channel / transport small integral membrane subunit that assembles with HERG, a pore forming protein, cardiac channel.	12*
KCNJ6_intra	[U24660] [D87327] [L78480] [U52153]	human G protein coupled inward rectifier potassium channel 2 (hiGIRK2), a membrane-associated ligand that induces EGL neuronal differentiation.	39*
SLC5A3_intra	[AF027153]	solute carrier family 5, member 3, Sodium/myo-inositol cotransporter	28*
SLC37A1_intra	[AJ269529] [AF311320] [AK025993]	glycerol 3-phosphate permease Gene Ontology: transporter / transport. 12 transmembrane Domains	17*
SLC19A1_extra	[U19720] [AF004354] [U15939] [U17566]	human reduced folate carrier (RFC), transporter, transmembranes, mediates cellular uptake of reduced folates and antifolates	15*
STCH_extra	[U04735]	human microsomal stress 70 protein ATPase core	55*
WRB-intra	[Y12478]	tryptophan-rich protein, congenital heart disease 5 protein	14*

* Western blot analyses have not been done on human tissues