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Rabbit Anti-C12ORF53/FITC Conjugated antibody

SL9951R-FITC

Product Name:	Anti-C12ORF53/FITC
Chinese Name:	FITC标记的12号染色体开放阅读框53抗体
Alias:	Chromosome 12 open reading frame 53; DKFZp547D2210; Hypothetical protein LOC196500; Uncharacterized protein C12orf53; PIANP_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human C12ORF53
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail:	**background:** Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster

	encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy. The C12orf53 gene product has been provisionally designated C12orf53 pending further characterization. **Function:** Acts as a ligand for PILRA in neural tissues, where it may be involved in immune regulation. **Subcellular Location:** Membrane; single pass type I membrane protein **Tissue Specificity:** Mainly expressed in adult brain and cerebellum. Weaker expression in fetal brain and virtually no expression in spleen, heart, kidney, liver and dorsal ganglion relative to brain. **Post-translational modifications:** O-glycosylation at Thr-140 is essential for recognition by PILRA (By similarity). **Database links:** Entrez Gene: 196500Human SwissProt: Q8IYJ0Human SwissProt: Q6P1B3Mouse SwissProt: Q5U2P6Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.