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IGSF21 Rabbit pAb

Catalog # AP97795

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96ID5
Other Accession	Q96ID5
Reactivity	Rat, Mouse
Predicted	Pig, Human, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51835
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IGSF21
Epitope Specificity	81-180/467
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 Ig-like (immunoglobulin-like) domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IGSF21 is a 467 amino acid secreted protein that contains two Ig-like (immunoglobulin-like) domains and is a member of the immunoglobulin superfamily. Members of this family of proteins usually localize to the cell membrane, and may act as receptors in the immune response pathways. The gene encoding IGSF21 maps to human chromosome 1p36.13 and mouse chromosome 4 D3. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. A large number of disease-associated genes are associated with chromosome 1, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

Additional Information

Gene ID	84966
Other Names	IGS21_HUMAN; IGSF21; immunoglobin superfamily member 21; immunoglobin superfamily, member 21
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	IGSF21 (HGNC:28246)
Function	Involved in synaptic inhibition in the brain. Selectively regulates inhibitory presynaptic differentiation through interacting with presynaptic NRXN2.
Cellular Location	Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q7TNR6}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:Q7TNR6}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.