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Rabbit Anti-PDE8B antibody

SL12588R

Product Name:	PDE8B
Chinese Name:	磷酸二酯酶8B抗体
Alias:	3' 5' cyclic nucleotide phosphodiesterase 8B; 3'5' cyclic nucleotide phosphodiesterase 8B; Cell proliferation-inducing gene 22 protein; FLJ11212; High affinity cAMP specific and IBMX insensitive 3' 5' cyclic phosphodiesterase 8B; High affinity cAMP specific and IBMX insensitive 3'5' cyclic phosphodiesterase 8B; High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B; High-affinity cAMP-specific and IBMX-insensitive 3'5'-cyclic phosphodiesterase 8B; HSPDE 8B; HsPDE8B; PDE 8B; PDE8B; PDE8B_HUMAN; Phosphodiesterase 8B; Phosphodiesterase8B; PIG22.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	99kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PDE8B:351-450/885
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.
PubMed:	PubMed

Product Detail:	The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010] **Function:** Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in specific signaling in the thyroid gland. **Tissue Specificity:** Abundantly expressed in the thyroid. Also very weakly expressed in brain, spinal cord and placenta. In the thyroid isoform 1 predominates, and isoforms 2 and 6 are also highly expressed. In the placenta isoforms 1 and 2 are expressed equally. In the brain isoform 2 predominates. **DISEASE:** Defects in PDE8B are the cause of striatal degeneration autosomal dominant (ADSD) [MIM:609161]. It is a movement disorder affecting the striatal part of the basal ganglia and characterized by bradykinesia, dysarthria and muscle rigidity. These symptoms resemble idiopathic Parkinson disease, but tremor is not present. **Similarity:** Belongs to the cyclic nucleotide phosphodiesterase family. PDE8 subfamily. Contains 1 PAS (PER-ARNT-SIM) domain. **SWISS:** O95263 **Gene ID:** 8622 **Database links:** Entrez Gene: 8622 Human Entrez Gene: 218461 Mouse Entrez Gene: 309962 Rat Omim: 603390 Human SwissProt: O95263 Human

	SwissProt: O70628 Mouse Unigene: 584830 Human Unigene: 78106 Human Unigene: 208889 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.