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Tomoregulin-1 Rabbit pAb

Catalog # AP98245

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IYR6
Other Accession	Q8IYR6
Predicted	Rat, Pig, Human, Mouse, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40934
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Tomoregulin-1
Epitope Specificity	65-160/380
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the tomoregulin family.Contains 1 EGF-like domain.Contains 2 Kazal-like domains.
SUBUNIT	May interact with ST14.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Tomoregulin-1 precursor is a single-pass type I membrane protein thought to be a tumor suppressor in brain cancers. Its expression is down-regulated in these tumors as compared to control brain tissues. In addition, it might also inhibit NODAL and BMP signaling during neural patterning. There are 2 isoforms produced by alternative splicing.

Additional Information

Gene ID	8577
Other Names	C9orf2; C9orf3-TMEFF1; C9orf30-TMEFF1; H7365; TMEFF1; TR-1; CT120.1; A830033E11; M7365; Tr1; TEFF1_HUMAN; Transmembrane protein with EGF-like and one follistatin-like domain; TEFF1_MOUSE; TEFF1_RAT; Protein NC1; Nc1; transmembrane protein with EGF like and two follistatin like domains 1; transmembrane protein with EGF-like and two follistatin-like domains 1; tomoregulin-1; cancer/testis antigen family 120, member 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	TEFF1
Function	Neuron-specific restriction factor that prevents herpes simplex virus 1 (HHV-1) infection in the brain by blocking viral entry (PubMed:39048823, PubMed:39048830). Also able to restrict herpes simplex virus 2 (HHV-2) infection, although to a lesser extent (PubMed:39048823). Acts by preventing the association between the viral glycoprotein D (gD) and its cell surface receptor NECTIN1, thereby inhibiting fusion of the virus and the cell membrane (PubMed:39048823, PubMed:39048830). Also able to prevent the association between the viral glycoprotein B (gB) and MYH9/NMMHC-IIA and MYH10/NMMHC-IIB receptors (PubMed:39048823). May be a tumor suppressor in brain cancers (PubMed:12743596).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed predominantly in brain, and at lower levels in heart, placenta and skeletal muscle (PubMed:12743596). Down- regulated in brain tumors as compared to control brain tissues (PubMed:12743596).

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