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Rabbit Anti-TEM7R antibody

SL6300R

Product Name:	TEM7R
Chinese Name:	Tumour血管内皮标记相关蛋白质7抗体
Alias:	Tumor endothelial marker 7 related protein; Plexin domain containing 2; Plexin domain containing protein 2; Plexin domain-containing protein 2; PLXDC 2; plxdc2; PXDC2_HUMAN; TEM7R; Tumor endothelial marker 7-related protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=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:	56kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TEM7R.:101-200/529<Extracellular>
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:	TEM7R also known as PLXDC2 is a 529 amino acid single-pass type I membrane protein containing one PSI domain and belonging to the plexin family. Localizing to membrane, TEM7R is expressed in endothelial cells of the stroma, as well as in limbs, lung buds, developing heart, spinal cord and dorsal root ganglia. TEM7R interacts with

	cortactin and may play a role in tumor angiogenesis. Existing as three alternatively spliced isoforms, the gene encoding TEM7R maps to human chromosome 10p12.31. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria. **Function:** May play a role in tumor angiogenesis. **Subunit:** Interacts with CTTN. **Subcellular Location:** Membrane; Single-pass type I membrane protein **Tissue Specificity:** Expressed in the endothelial cells of the stroma but not in the endothelial cells of normal colonic tissue. **Similarity:** Belongs to the plexin family. Contains 1 PSI domain. **SWISS:** Q6UX71 **Gene ID:** 84898 **Database links:** Entrez Gene: 84898 Human Entrez Gene: 67448 Mouse Entrez Gene: 361282 Rat Omim: 606827 Human SwissProt: Q6UX71 Human SwissProt: Q9DC11 Mouse Unigene: 658134 Human Unigene: 313938 Mouse

	Unigene: 394655 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.