10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAGLN3 Rabbit pAb

Catalog # AP97557

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UI15
Other Accession	Q9UI15
Reactivity	Rat
Predicted	Pig, Human, Mouse, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22473
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TAGLN3/NP22
Epitope Specificity	8-110/199
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 calponin family. Contains 1 calponin-like repeat. Contains 1 CH (calponin-homology) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Transgelin is a homolog of transgelin and is also expressed in smooth muscle cells and by peritoneal B-1 cells. Unlike the other two transgelin proteins, transgelin-3 (also designated TAGLN2, NP22 (neuronal protein 22) or NP25) is predominantly expressed in brain. Transgelin-3 contains a putative Actin-binding domain, two EF-hand motifs, two potential phosphorylation sites and a calponin-homology (CH) domain. Transgelin-3 shares homology with transgelin and Calponin, two cytoskeleton-interacting proteins. Belonging to the calponin family, transgelin-3 colocalizes with Actin and Tubulin, suggesting a possible role for transgelin-3 in neuronal plasticity or as a signaling protein. Due to a varied expression pattern, transgelin-3 may play different roles in the developing and adult brain. Expression of transgelin-3 is upregulated in regions of the human alcoholic brain.

Additional Information

Gene ID	29114
Other Names	TAGL3_BOVIN; TAGLN3; TAGL3_HUMAN; Neuronal protein 22 (NP22); Neuronal protein NP25; NP25; TAGL3_MOUSE; TAGL3_RAT; transgelin 3
Dilution	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	TAGLN3
Synonyms	NP25
Tissue Location	Widely expressed in the brain. Expression is increased in the superior frontal cortex of alcoholics, but not in the motor cortex or cerebellum

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