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SM22 Alpha Rabbit pAb

Catalog # AP99420

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q01995
Other Accession	Q01995
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22611
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SM22 Alpha
Epitope Specificity	101-201/201
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	The protein encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	6876
Other Names	SM22; SM22-alpha; SMCC; TAGLN1; TGLN; WS3-10; HA1756; Sm22a; Ws310; TAGL_BOVIN; TAGLN; 25 kDa F-actin-binding protein; Smooth muscle protein 22-alpha (SM22-alpha); TAGL_HUMAN; 22 kDa actin-binding protein; Protein WS3-10; TAGL_MOUSE; Actin-associated protein p27; TAGL_RAT; transgelin
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,Flow-Cyt=1ug/test
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	TAGLN
Synonyms	SM22, WS3-10
Function	Actin cross-linking/gelling protein (By similarity). Involved in calcium interactions and contractile properties of the cell that may contribute to replicative senescence.
Cellular Location	Cytoplasm.

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