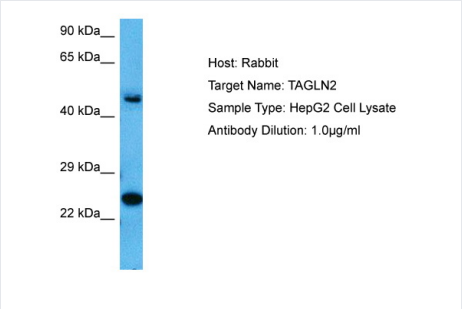
TAGLN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TAGLN2, Polyclonal Antibody
Full Product Name	TAGLN2 Antibody - middle region
Product Gene Name	anti-TAGLN2 antibody
Product Synonym Gene Name	HA1756
Immunogen Sequence	Synthetic peptide located within the following region: LGGLAVARDD GLFSGDPNWF PKKSKENPRN FSDNQLQEGK NVIGLQMGTN
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	TAGLN2 peptide (MBS3245256) is used for blocking the activity of TAGLN2 antibody (MBS3220455)
Molecular Weight	22 kDa
OMIM	604634
3D Structure	ModBase 3D Structure for P37802
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TAGLN2
Product Categories/Family for anti-TAGLN2 antibody	Polyclonal
Applications Tested/Suitable for anti-TAGLN2 antibody	Western Blot (WB)
Related Product Information for anti-TAGLN2 antibody	The protein encoded by this gene is similar to the protein transgelin, which is one of the earliest markers of differentiated smooth muscle. The specific function of this protein has not yet been determined, although it is thought to be a tumor suppressor. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-TAGLN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TAGLN2 purchase	MBS3220455 is an antibody targeting TAGLN2. Also known as TAGLN2 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TAGLN2 antibody
Host: RabbitTarget Name: TAGLN2Sample Tissue: Human HepG2 Whole CellAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAGLN2. It may not necessarily be applicable to this product.

NCBI GI #	469608407
NCBI GeneID	8407
NCBI Accession #	NP_001264152.1
UniProt Primary Accession #	P37802
UniProt Related Accession #	P37802
GenBank Nucleotide #	NM_001277223.1
NCBI Official Full Name	transgelin-2 isoform b
NCBI Official Synonym Full Names	transgelin 2
NCBI Official Symbol	TAGLN2
NCBI Official Synonym Symbols	HA1756
UniProt Protein Name	Transgelin-2
UniProt Synonym Protein Names	Epididymis tissue protein Li 7e; SM22-alpha homolog
Protein Family	Transgelin
UniProt Gene Name	TAGLN2
UniProt Synonym Gene Names	KIAA0120
UniProt Entry Name	TAGL2_HUMAN
NCBI Protein Information	transgelin-2
UniProt Comments for TAGLN2	TAGLN2: a cytoskeletal protein of the calponin family. One of the earliest markers of differentiated smooth muscle. Expressed in the smooth, cardiac, and skeletal muscle cells during early embryogenesis. Becomes restricted to vascular and visceral smooth muscle cells in late fetal development and adulthood. Its expression is abolished by activated Ras. Ras-dependent and Ras-independent mechanisms can cause the down-regulation of transgelin in breast and colon cancer cells lines and tumor samples. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 1q21-q25 Cellular Component: vesicle Molecular Function: actin filament binding; protein binding Biological Process: epithelial cell differentiation

Research Articles on TAGLN2	**1.** Study provides important evidence that hypoxia-inducible TAGLN2 is involved in the selection of cancer cells with enhanced EMT properties to overcome the detrimental environment of cancer cells as gamma radiation.
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