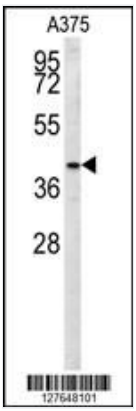
S35B2 Antibody – Rabbit Polyclonal

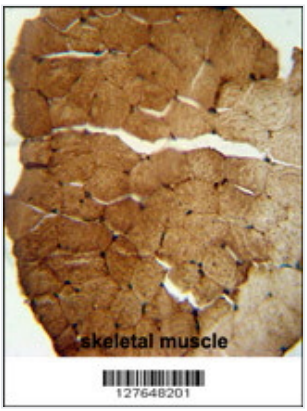
PRODUCT OVERVIEW

Product Name	S35B2, Polyclonal Antibody
Full Product Name	S35B2, CT (SLC35B2, PAPST1, Adenosine 3'-phospho 5'-phosphosulfate transporter 1, PAPS transporter 1, Putative MAPK-activating protein PM15, Putative NF-kappa-B-activating protein 48, Solute carrier family 35 member B2) (FITC)
Product Gene Name	anti-S35B2 antibody
Product Synonym Gene Name	SLC35B2
Product Synonym Names	SLC35B2; PAPST1; Adenosine 3'-phospho 5'-phosphosulfate transporter 1; PAPS transporter 1; Putative MAPK-activating protein PM15; Putative NF-kappa-B-activating protein 48; Solute carrier family 35 member B2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	47515
OMIM	610788
3D Structure	ModBase 3D Structure for Q8TB61
Immunogen	S35B2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from the C-terminal region of human S35B2.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-S35B2 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-S35B2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-S35B2 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-S35B2 antibody	MBS6344725 is an antibody targeting S35B2. Also known as S35B2, CT (SLC35B2, PAPST1, Adenosine 3'-phospho 5'-phosphosulfate transporter 1, PAPS transporter 1, Putative MAPK-activating protein PM15, Putative NF-kappa-B-activating protein 48, Solute carrier family 35 member B2) (FITC). Reactive in Human. Host: Rabbit.

Other Notes	Small volumes of anti-S35B2 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.



Western Blot (WB) of anti-S35B2 antibody
S35B2 Antibody (C-term) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the S35B2 antibody detected the S35B2 protein (arrow).



Immunohistochemistry (IHC) of anti-S35B2 antibody
S35B2 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the S35B2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S35B2. It may not necessarily be applicable to this product.

NCBI GI #	30026034
NCBI GeneID	347734
NCBI Accession #	NP_835361.1
UniProt Primary Accession #	Q8TB61
UniProt Secondary Accession #	Q2VY06; Q53GA3; Q5T9W1; Q5T9W2; Q7Z2G3; Q8NBK6; Q96AR6; B4DDM2; B4DDU9; F5H7Y9
UniProt Related Accession #	Q8TB61
GenBank Nucleotide #	NM_178148.3
NCBI Official Full Name	adenosine 3'-phospho 5'-phosphosulfate transporter 1 isoform a
NCBI Official Synonym Full Names	solute carrier family 35 (adenosine 3'-phospho 5'-phosphosulfate transporter), member B2
NCBI Official Symbol	SLC35B2
NCBI Official Synonym Symbols	SLL; PAPST1; UGTrel4
UniProt Protein Name	Adenosine 3'-phospho 5'-phosphosulfate transporter 1
UniProt Synonym Protein Names	PAPS transporter 1; Putative MAPK-activating protein PM15; Putative NF-kappa-B-activating protein 48; Solute carrier family 35 member B2
UniProt Gene Name	SLC35B2
UniProt Synonym Gene Names	PAPST1
UniProt Entry Name	S35B2_HUMAN
NCBI Protein Information	adenosine 3'-phospho 5'-phosphosulfate transporter 1
NCBI Summary for S35B2	Sulfotransferases (e.g., SULT4A1; MIM 608359) use an activated form of sulfate, 3-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS), as a common sulfate donor for sulfation of glycoproteins, proteoglycans, and glycolipids in the endoplasmic reticulum and Golgi apparatus. SLC35B2 is located in the microsomal membrane and transports PAPS from the cytosol, where it is synthesized, into the Golgi lumen (Kamiyama et al., 2003 [PubMed 12716889]).[supplied by OMIM, Mar 2008]

Research Articles on S35B2	**1.** PAPS transporters play a role in the proliferation of colorectal carcinoma cells themselves and take part in a desmoplastic reaction to support cancer growth by controlling their sulfation status.
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