

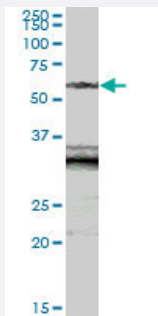
MaxPab®

SIAE purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054414-B01P

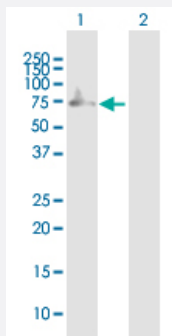
Size 50 ug

Applications



Western Blot (Tissue lysate)

SIAE MaxPab polyclonal antibody. Western Blot analysis of SIAE expression in human colon.



Western Blot (Transfected lysate)

Western Blot analysis of SIAE expression in transfected 293T cell line ([H00054414-T01](#)) by SIAE MaxPab polyclonal antibody.

Lane1:SIAE transfected lysate(57.53 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human SIAE protein.

Immunogen

SIAE (NP_733746.1, 1 a.a. ~ 523 a.a) full-length human protein.

Sequence	MVAPGLVLGLVPLILWADRSAGIGFRFASYINNDMVLQKEPAGAVIWGFGTPGATVTVTLRQQQE TIMKKVTSVKAHSDTWMVVLDPMPGGPFVMAQQTLEKINFTRLRVHDLVFGDVWLCSGQSNM QMTVLQIFNATRELSNTAAYQSVRILSVSPIQAEQELEDLVAVDLQWSKPTSENLGHYFKYMSAV CWLFGRHLYDTLQYPIGLIASSWGGTPIEAWSSGRSLKACGVPKQGSIPYDSVTGPSKHSVLWNA MIHPLCNMTLKGVVWYQGESNINYNTDLYNCTFPALIEDWRETFHRGSQQQTERFFPFGLVQLSS DLSKKSSDDGFPQIRWHQTADFGYVPNPMPNTFMAVAMDLCDRDSPFGSIHPRDKQTVAYRL HLGARALAYGEKNLTFEGPLPEKIELLAHKGLLNLTYYQQIQVQKKDNKIFEISCCSDHRCKWLPAS MNTVSTQSLTLAIDSCHGTVALRYAWTTWPCEYKQCPLYHPSSALPAPPFIATDQGPQGHQSNV AK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (75)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — SIAE

Entrez GeneID	54414
GeneBank Accession#	NM_170601.3
Protein Accession#	NP_733746.1

Gene Name	SIAE
Gene Alias	CSE-C, LSE, MGC87009, YSG2
Gene Description	sialic acid acetyltransferase
Omim ID	610079
Gene Ontology	Hyperlink
Gene Summary	Sialic acids are acidic 9-carbon sugars typically found at the nonreducing end of sugar chains. They are frequently modified by 9-O-acetylation, and this modification is removed by sialic acid acetyltransferases. SIAE appears to encode both lysosomal and cytosolic sialic acid acetyltransferase isoforms (LSE and CSE, respectively) (Takematsu et al., 1999 [PubMed 10464298]).[supplied by OMIM]
Other Designations	Ysg2 homolog cytosolic sialic acid 9-O-acetyltransferase homolog sialic acid-specific acetyltransferase II

Publication Reference

- [Effects of sodium thiosulfate \(Na₂S₂O₃\) during resuscitation from hemorrhagic shock in swine with preexisting atherosclerosis.](#)

Datzmann T, Hoffmann A, McCook O, Merz T, Wachter U, Preuss J, Vettorazzi S, Calzia E, Gröger M, Kohn F, Schmid A, Denoix N, Radermacher P, Wepler M.

Pharmacological Research 2019 Nov; 151:104536.

Application: IHC, Mouse, Mouse lung

- [Induction of cystathionine gamma-lyase expression and metallothionein-1 S-sulfhydration alleviate cadmium-induced cell death in myoblast cells.](#)

Zhang Y, Ali A, Jin Z, Pei Y, Yang G.

Ecotoxicology and Environmental Safety 2019 Sep; 179:222.

Application: WB-Tr, Mouse, C2C12 cells

- [Cystathionine gamma-lyase/hydrogen sulfide system is essential for adipogenesis and fat mass accumulation in mice.](#)

Yang G, Ju Y, Fu M, Zhang Y, Pei Y, Racine M, Baath S, Merritt TJS, Wang R, Wu L.

Biochimica et Biophysica Acta 2017 Nov; 1863(2):165.

Application: WB-Ce, WB-Ti, Mouse, 3T3-L1, Mouse liver, muscle and fat tissue

- [H2S protects lipopolysaccharide-induced inflammation by blocking NFκB transactivation in endothelial cells.](#)

Bourque C, Zhang Y, Fu M, Racine M, Greasley A, Pei Y, Wu L, Wang R, Yang G.

Toxicology and Applied Pharmacology 2017 Nov; 338:20.

Application: WB-Ce, WB-Tr, Human, Mouse, HUVEC, Mouse aorta tissues

- [Hydrogen Sulfide Attenuates Atherosclerosis in a Partially Ligated Carotid Artery Mouse model via Regulating Angiotensin Converting Enzyme 2 Expression.](#)

Lin Y, Zeng H, Gao L, Gu T, Wang C, Zhang H.

Frontiers in Physiology 2017 Oct; 8:782.

Application: WB-Ti, Mouse, Mouse artery

- [Induction of a Torpor-Like State by 5'-AMP Does Not Depend on H2S Production.](#)

Dugbartey GJ, Bouma HR, Strijkstra AM, Boerema AS, Henning RH.

PLoS One 2015 Aug; 10(8):e0136113.

Application: WB-Ti, Mouse, Frozen kidney tissue samples

Disease

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- [Edema](#)
- [Genetic Predisposition to Disease](#)