

TOB1 mouse monoclonal antibody (hybridoma)

Catalog # H00010140-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TOB1.
Immunogen	TOB1 (NP_005740.1, 1 a.a. ~ 345 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	<p>MQLEIQVALNFIISLYNKLPRRRVNIFGEELERLLKKKYEGHWYPEKPYKSGGFRCIHIGEKVDPVIE</p> <p>QASKESGLDIDDVRGNLPQDLSVWIDPFVSYQIGEKGPVKVLYDDNNENGCELDKEIKNSFNP</p> <p>EAQVFMPISDPASSVSSSPSPFGHSAAVSPTFMPRSTQPLTFTTATFAATKFGSTKMKNNGRS</p> <p>NKVARTSPINLGLNVNDLLKQKAISSSMHSLYGLGLGSQQQPQQQQQPAQPPPPPPPPQQQQQ</p> <p>QKTSALSPNAKEFIFPNMQGQGSSTNGMFPGDSPLNLSPLQYSNAFDVFAAYGGLNEKSFVDGL</p> <p>NFSLNNMQYSNQQFQPVMAN</p>
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (91)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TOB1

Entrez GeneID [10140](#)

GeneBank Accession# [NM_005749.2](#)

Protein Accession# [NP_005740.1](#)

Gene Name TOB1

Gene Alias APRO6, MGC104792, MGC34446, PIG49, TOB, TROB, TROB1

Gene Description transducer of ERBB2, 1

Omim ID [605523](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the tob/btg1 family of anti-proliferative proteins that have the potential to regulate cell growth. When exogenously expressed, this protein suppresses cell growth in tissue culture. The protein undergoes phosphorylation by a serine/threonine kinase, 90 kDa ribosomal S6 kinase. Interactions of this protein with the v-erb-b2 erythroblastic leukemia viral oncogene homolog 2 gene product p185 interferes with growth suppression. This protein inhibits T cell proliferation and transcription of cytokines and cyclins. The protein interacts with both mothers against decapentaplegic Drosophila homolog 2 and 4 to enhance their DNA binding activity. This interaction inhibits interleukin 2 transcription in T cells. [provided by RefSeq]

Other Designations transducer of erbB-2