C12orf5 mouse monoclonal antibody (hybridoma)

Catalog # H00057103-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant C12orf5.
Immunogen	C12orf5 (NP_065108.1, 1 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MARFALTVVRHGETRFNKEKIIQGQGVDEPLSETGFKQAAAAGIFLNNVKFTHAFSSDLMRTKQT MHGILERSKFCKDMTVKYDSRLRERKYGVVEGKALSELRAMAKAAREECPVFTPPGGETLDQVK MRGIDFFEFLCQLILKEADQKEQFSQGSPSNCLETSLAEIFPLGKNHSSKVNSDSGIPGLAASVLV VSHGAYMRSLFDYFLTDLKCSLPATLSRSELMSVTPNTGMSLFIINFEEGREVKPTVQCICMNLQD HLNGLTETR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72)
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 — C12orf5

Entrez GeneID	57103
GeneBank Accession#	NM_020375.2
Protein Accession#	NP_065108.1
Gene Name	C12orf5
Gene Alias	TIGAR
Gene Description	chromosome 12 open reading frame 5
Omim ID	610775
Gene Ontology	Hyperlink
Gene Summary	This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein with s equence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2, 6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pe ntose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactiv e oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p 13.32 region that includes this gene is paralogous to the 11q13.3 region. [provided by RefSeq
Other Designations	TP53-induced glycolysis and apoptosis regulator|transactivated by NS3TP2 protein