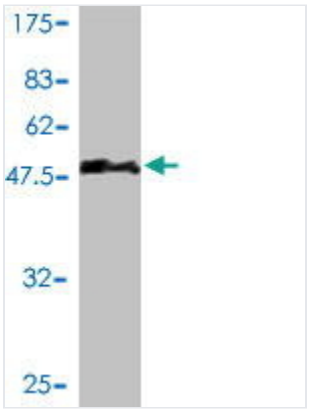
OIP5 Antibody – Mouse Monoclonal

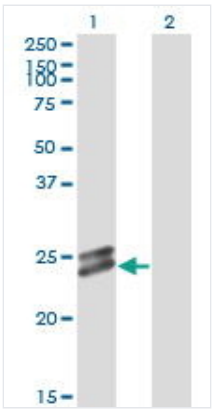
PRODUCT OVERVIEW

Product Name	OIP5, Monoclonal Antibody
Full Product Name	OIP5 (Protein Mis18-beta, Cancer/Testis Antigen 86, CT86, Opa-interacting Protein 5, OIP-5, MIS18B) (AP)
Product Gene Name	anti-OIP5 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3G10-1D5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human OIP5.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Molecular Weight	24,691 Da
Immunogen	Full length recombinant corresponding to aa1-230 from OIP5 (AAH15050) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAAQPLRHRSRCATPPRGDFCGGTERAIDQASFTTSMEWDTQVVKGSSPLGPAGLGAEEPAAGPQLPSWLQPERCAVFQCAQCHAVLADSVHLAWDL
Conjugate	AP
Product Categories/Family for anti-OIP5 antibody	Antibodies; Centromeres
Applications Tested/Suitable for anti-OIP5 antibody	ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-OIP5 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-OIP5 antibody	Required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis.
Other Notes	Small volumes of anti-OIP5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

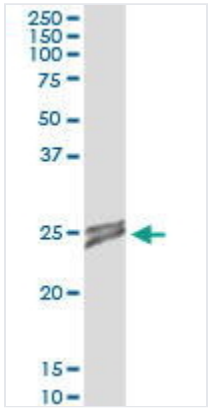
Searchable Terms for OIP5 purchase	MBS6132701 is an antibody targeting OIP5. Also known as OIP5 (Protein Mis18-beta, Cancer/Testis Antigen 86, CT86, Opa-interacting Protein 5, OIP



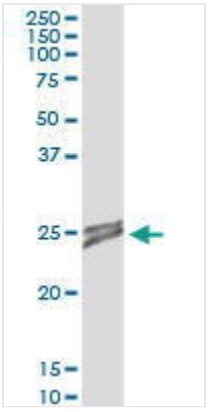
Western Blot (WB) of anti-OIP5 antibody
Western Blot detection against Immunogen (51.3kD).



Western Blot (WB) of anti-OIP5 antibody
Western Blot analysis of OIP5 expression in transfected 293T cell line by OIP5 monoclonal antibody Lane 1: OIP5 transfected lysate (24.7kD). Lane 2: Non-transfected lysate.



Immunoprecipitation (IP) of anti-OIP5 antibody
Immunoprecipitation of OIP5 transfected lysate using OIP5 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with OIP5 rabbit polyclonal antibody.



Testing Data of anti-OIP5 antibody
Detection limit for recombinant GST tagged OIP5 is 0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OIP5. It may not necessarily be applicable to this product.

NCBI GI #	15929199
NCBI GeneID	11339
NCBI Accession #	BC015050
NCBI Related Accession #	AAH15050
UniProt Secondary Accession #	Q96BX7
UniProt Related Accession #	O43482
NCBI Official Full Name	Homo sapiens Opa interacting protein 5, mRNA
NCBI Official Synonym Full Names	Opa interacting protein 5
NCBI Official Symbol	OIP5
NCBI Official Synonym Symbols	CT86; MIS18B; LINT-25; MIS18beta; hMIS18beta; 5730547N13Rik
Protein Family	Protein
NCBI Protein Information	protein Mis18-beta

NCBI Summary for OIP5	The protein encoded by this gene localizes to centromeres, where it is essential for recruitment of CENP-A through the mediator Holliday junction recognition protein. Expression of this gene is upregulated in several cancers, making it a putative therapeutic target. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Research Articles on OIP5	**1.** Stable binding of Mis18alpha-Mis18beta heterotetramer to centromeres in telophase licenses them for CENP-A deposition.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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