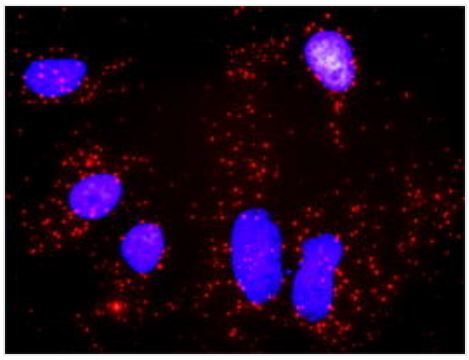
BIRC4 Antibody – Mouse Monoclonal

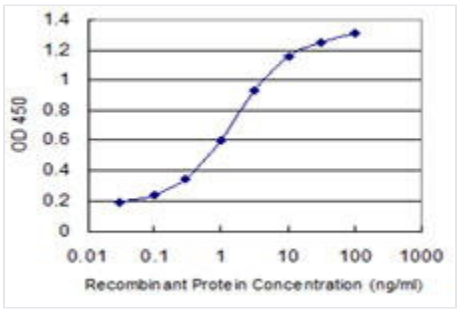
PRODUCT OVERVIEW

Product Name	BIRC4, Monoclonal Antibody
Full Product Name	BIRC4 (X-Linked Inhibitor of Apoptosis, API3, BIRC4, ILP1, MIHA, XLP2) (AP)
Product Gene Name	anti-BIRC4 antibody
Product Synonym Names	X-Linked Inhibitor of Apoptosis; API3; BIRC4; ILP1; MIHA; XLP2
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1F4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes BIRC4.
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 to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap
Molecular Weight	56,685 Da
Immunogen	BIRC4 (AAH32729, 51aa-150aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GFLYTGEGDTVRCFSCHAAVDRWQYGDSAVGRHRKVSPNCRFINGFYLENSATQSTNSGIQNGQYKVENYLGSRDHFALDRPSETHADYLLRTGQVVD
Conjugate	AP
Product Categories/Family for anti-BIRC4 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-BIRC4 antibody	Western Blot (WB), In situ Proximity Ligation Assay (Cell)
Application Notes for anti-BIRC4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BIRC4 antibody	The protein encoded by this gene is a member of a family of proteins which inhibit apoptosis through binding to tumor necrosis factor receptor-associat factors TRAF1 and TRAF2. This protein inhibits apoptosis induced by menadione, a potent inducer of free radicals, and ICE. It also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. [provided by RefSeq]
Other Notes	Small volumes of anti-BIRC4 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.

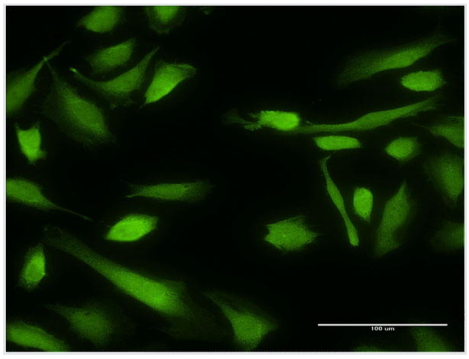
Searchable Terms for BIRC4 purchase	MBS6164746 is an antibody targeting BIRC4. Also known as BIRC4 (X-Linked Inhibitor of Apoptosis, API3, BIRC4, ILP1, MIHA, XLP2) (AP). Host: Mouse.



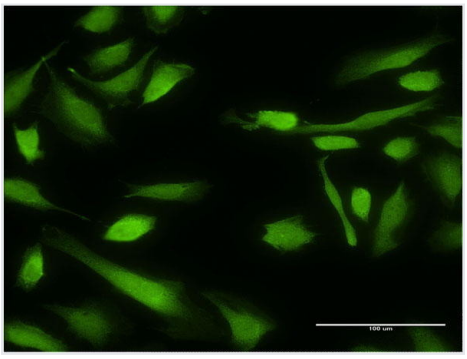
Testing Data of anti-BIRC4 antibody
Proximity Ligation Analysis of protein-protein interactions between AKT1 and XIAP HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-XIAP mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Testing Data of anti-BIRC4 antibody
Detection limit for recombinant GST tagged XIAP is 0.03 ng/ml as a capture antibody.



Immunofluorescence (IF) of anti-BIRC4 antibody
Immunofluorescence of monoclonal antibody to XIAP on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-BIRC4 antibody
Immunofluorescence of monoclonal antibody to XIAP on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BIRC4. It may not necessarily be applicable to this product.

NCBI GI #	21619764
NCBI GeneID	331
NCBI Accession #	AAH32729
UniProt Secondary Accession #	Q9NQ14; D3DTF2
UniProt Related Accession #	P98170
NCBI Official Full Name	X-linked inhibitor of apoptosis
NCBI Official Synonym Full Names	X-linked inhibitor of apoptosis, E3 ubiquitin protein ligase
NCBI Official Symbol	XIAP
NCBI Official Synonym Symbols	API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3
NCBI Protein Information	E3 ubiquitin-protein ligase XIAP

NCBI Summary for BIRC4	This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]
Research Articles on BIRC4	**1.** Results show that XIAP binds to the C terminus of Ptch1 and mediates the death-dependent function of Ptch1.
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