Data Sheet (Cat.No.TMAB-14212)

Anti-XIAP Antibody (6P394)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 55 kDa. Actual: 55 kDa.
Clone:	6P394
Purification:	Protein G purified

Applications

Verified Activity:	1. Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human MOLT4 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human Raji cell lysates Lane 5: Human Jurkat cell lysates Lane 6: Human HepG2 cell lysates Lane 7: Human A549 cell lysates Primary: Anti-XIAP (TMAB-14212) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 55 kDa Observed band size: 55 kDa 2. 25 µg total protein per lane of various lysates (see on figure) probed with XIAP monoclonal antibody, unconjugated (TMAB-14212) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-5000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human XIAP
Antigen Species:	Human
Gene ID:	331
Uniprot ID:	P98170

Research Background

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]

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