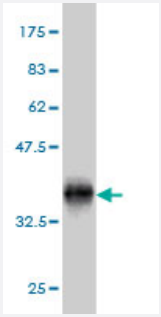
HSBP1 monoclonal antibody (M02), clone 2C3

Catalog # H00003281-M02 Size 100 ug

Applications



Western Blot detection against Immunogen (34.1 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant HSBP1.
Immunogen	HSBP1 (AAH07515, 1 a.a. ~ 76 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAETDPKTVQDLTSVVQTLLQQMQDKFQTMSDQIIGRIDDMSSRIDDLEKNIADLMTQAGVEELESENKIPATQKS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.1 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — HSBP1

Entrez GeneID	3281
GeneBank Accession#	BC007515
Protein Accession#	AAH07515
Gene Name	HSBP1
Gene Alias	DKFZp686D1664, DKFZp686O24200, NPC-A-13
Gene Description	heat shock factor binding protein 1
Omim ID	604553
Gene Ontology	Hyperlink
Gene Summary	The heat-shock response is elicited by exposure of cells to thermal and chemical stress and through the activation of HSFs (heat shock factors) results in the elevated expression of heat-shock induced genes. Heat shock factor binding protein 1 (HSBP1), is a 76-amino-acid protein that binds to heat shock factor 1(HSF1), which is a transcription factor involved in the HS response. During HS response, HSF1 undergoes conformational transition from an inert non-DNA-binding monomer to active functional trimers. HSBP1 is nuclear-localized and interacts with the active trimeric state of HSF1 to negatively regulate HSF1 DNA-binding activity. Overexpression of HSBP1 in mammalian cells represses the transactivation activity of HSF1. When overexpressed in C.elegans HSBP1 has severe effects on survival of the animals after thermal and chemical stress consistent with a role of HSBP1 as a negative regulator of heat shock response. [provided by RefSeq
Other Designations	-