



Mouse anti-Human HSBP1 monoclonal antibody, clone 3D4 (CABT-B10431)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HSBP1 (AAH07515, 1 a.a. ~ 77 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3D4
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	MAETDPKTVQDLTSVVQTLLQQMQDKFQTMSDQIIGRIDDMSSRIDDLEKNIADLMTQAG VEELESENKIPATQKS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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-
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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, Jul 2008]

Keywords

HSBP1; heat shock factor binding protein 1; NPC-A-13; heat shock factor-binding protein 1; nasopharyngeal carcinoma-associated antigen 13;

GENE INFORMATION

Entrez Gene ID

[3281](#)

UniProt ID

[O75506](#)

Function

transcription corepressor activity
