

## HEAB antibody

Catalog No: #22240

Package Size: #22240 100ul

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## Description

|                       |                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Product Name          | HEAB antibody                                                                                                    |
| Host Species          | Rabbit                                                                                                           |
| Clonality             | Polyclonal                                                                                                       |
| Purification          | Purified by antigen-affinity chromatography.                                                                     |
| Applications          | WB IHC IF                                                                                                        |
| Species Reactivity    | Hu                                                                                                               |
| Immunogen Type        | Recombinant protein                                                                                              |
| Immunogen Description | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 142 and 341 of HEAB |
| Conjugates            | Unconjugated                                                                                                     |
| Target Name           | HEAB                                                                                                             |
| Accession No.         | Swiss-Prot:Q92989Gene ID:10978                                                                                   |
| Concentration         | 0.3mg/ml                                                                                                         |
| Formulation           | Supplied in 0.1M Tris-buffered saline with 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.   |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                        |

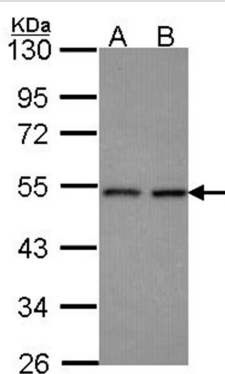
## Application Details

Predicted MW: 48kd

Immunohistochemistry: 1:100-1:250

Immunofluorescence: 1:100-1:200

## Images



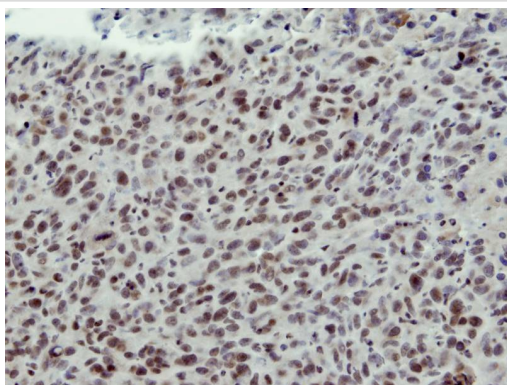
Sample (30 ug of whole cell lysate)

A: Hela

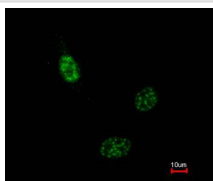
B: Hep G2

10% SDS PAGE

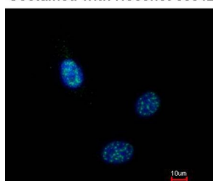
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded HS578T xenograft, using CLP1 antibody at 1: 100 dilution.



Costained with Hoechst 33342



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using CLP1 antibody at 1: 200 dilution.

## Background

Polynucleotide kinase that can phosphorylate the 5'-hydroxyl groups of double-stranded RNA (dsRNA), single-stranded RNA (ssRNA), double stranded DNA (dsDNA) and double-stranded DNA:RNA hybrids. dsRNA is phosphorylated more efficiently than dsDNA, and the RNA component of a DNA:RNA hybrid is phosphorylated more efficiently than the DNA component. Appears to have roles in both tRNA splicing and mRNA 3'-end formation. Component of the tRNA splicing endonuclease complex. Phosphorylates the 5'-terminus of the tRNA 3'-exon during tRNA splicing; this phosphorylation event is a prerequisite for the subsequent ligation of the two exon halves and the production of a mature tRNA. Component of the pre-mRNA cleavage complex II (CF-II), which seems to be required for mRNA 3'-end formation. Also phosphorylates the 5'-terminus of exogenously introduced short interfering RNAs (siRNAs), which is a necessary prerequisite for their incorporation into the RNA-induced silencing complex (RISC). However endogenous siRNAs and microRNAs (miRNAs) that are produced by the cleavage of dsRNA precursors by DICER1 already contain a 5'-phosphate group, so this protein may be dispensable for normal RNA-mediated gene silencing.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.