

## anti- HELB antibody

### Product Information

Catalog No.:	FNab03821
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

5'-3' DNA helicase involved in DNA damage response by acting as an inhibitor of DNA end resection(PubMed:25617833, PubMed:26774285). Recruitment to single-stranded DNA(ssDNA) following DNA damage leads to inhibit the nucleases catalyzing resection, such as EXO1, BLM and DNA2, possibly via the 5'-3' ssDNAtranslocase activity of HELB(PubMed:26774285). As cells approach S phase, DNA end resection is promoted by the nuclear export of HELB following phosphorylation(PubMed:26774285). Acts independently of TP53BP1(PubMed:26774285). Unwinds duplex DNA with 5'-3' polarity.Has single-strand DNA-dependent ATPase and DNA helicase activities. Prefers ATP and dATP as substrates(PubMed:12181327). During S phase, may facilitate cellular recovery from replication stress(PubMed:22194613).

### Immunogen information

Immunogen:	helicase(DNA) B
Synonyms:	None
Observed MW:	120-140 kDa
UniprotID :	Q8NG08

### Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

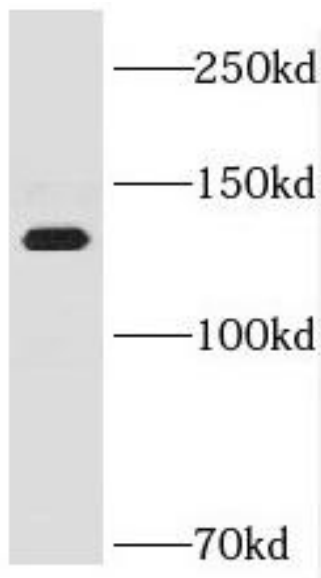
## Application

Reactivity: Human

Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200

Image:



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab03821( HELB Antibody) at dilution of 1:1000

**Wuhan Fine Biotech Co., Ltd.**

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)