

Anti-TopBP1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 171 kDa. Actual: 171 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Heart (Mouse) Lysate at 40 µg Primary: Anti-TopBP1 (TMAB-13675) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 171 kD Observed band size: 171 kD
Application:	WB
Recommended	WB: 1:500-2000

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:	KLH conjugated synthetic peptide: human TopBP1
Antigen Species:	Human
Gene ID:	11073
Uniprot ID:	Q92547

Research Background

Required for DNA replication. Plays a role in the rescue of stalled replication forks and checkpoint control. Binds double-stranded DNA breaks and nicks as well as single-stranded DNA. Recruits the SWI/SNF chromatin remodeling complex to E2F1-responsive promoters. Down-regulates E2F1 activity and inhibits E2F1-dependent apoptosis during G1/S transition and after DNA damage. Induces a large increase in the kinase activity of ATR.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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