

Anti-PTBP1 Antibody (4Z327)

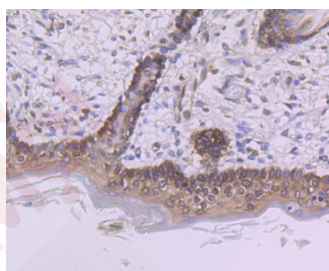
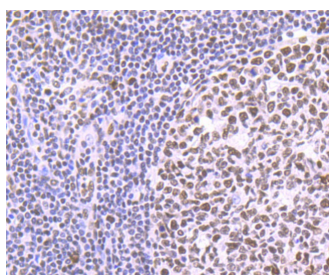
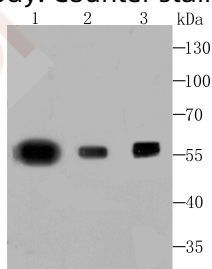
Product Details

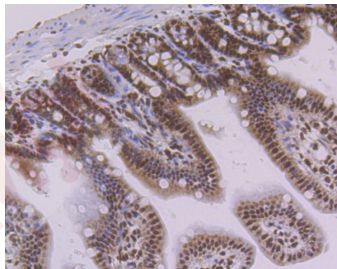
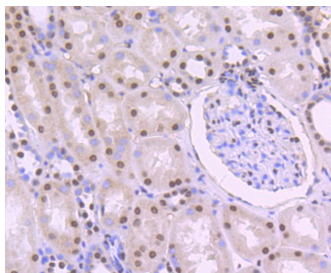
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 57 kDa.
Clone:	4Z327
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of PTBP1 on different lysates using anti-PTBP1 antibody at 1/500 dilution. Positive control: Lane 1: K562, Lane 2: Jurkat, Lane 3: Mouse colon tissue.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PTBP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-PTBP1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PTBP1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-PTBP1 antibody. Counter stained with hematoxylin.





Application: IHC,WB
Recommended WB: 1:500-2000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P26599
Synonyms: PTBP 1;57 kDa RNA-binding protein PPTB-1;Polypyrimidine tract-binding protein 1;PTB;hnRNP I;Heterogeneous nuclear ribonucleoprotein I

Research Background

Plays a role in pre-mRNA splicing and in the regulation of alternative splicing events. Activates exon skipping of its own pre-mRNA during muscle cell differentiation. Binds to the polypyrimidine tract of introns. May promote RNA looping when bound to two separate polypyrimidine tracts in the same pre-mRNA. May promote the binding of U2 snRNP to pre-mRNA. Cooperates with RAVER1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA. Represses the splicing of MAPT/Tau exon 10. In case of infection by picornaviruses, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES-mediated translation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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