

Anti-DDX6 Antibody (4T946)

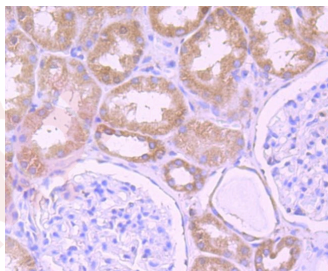
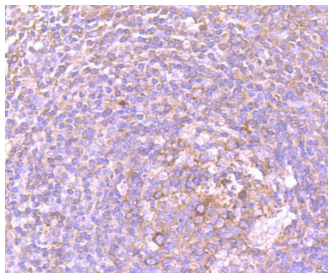
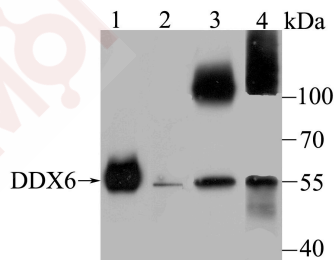
Product Details

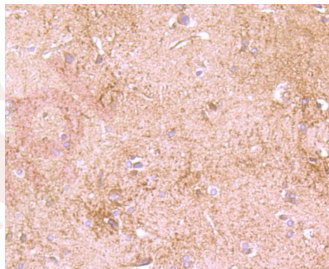
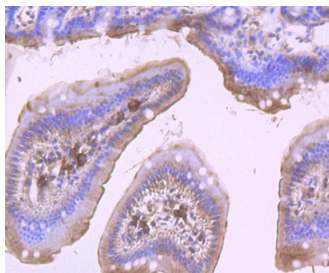
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 54 kDa.
Clone:	4T946
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of DDX6 on different lysates using anti-DDX6 antibody at 1/500 dilution. Positive control: Lane 1: Human colon, Lane 2: SH-SY-5Y, Lane 3: SiHa, Lane 4: K562.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-DDX6 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-DDX6 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue using anti-DDX6 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-DDX6 antibody. Counter stained with hematoxylin.





Application: IHC,WB
Recommended WB: 1:500-1000; IHC: 1:50-100

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: P26196
Synonyms: Probable ATP-dependent RNA helicase DDX6;ATP-dependent RNA helicase p54;RCK;EC 3.6.4.13;Oncogene RCK;DEAD box protein 6;HLR2

Research Background

RCK, also known as DDX6 and P54, is a member of the DEAD-box RNA helicase family of proteins, all of which share common protein motifs. Found in most tissues, RCK is an unwindase that exhibits ATP-dependent RNA un-winding activity, as well as the ability to decay RNA in the 5'-3' direction. In non-malignant cells, RCK is associated with all processes of normal RNA metabolism including splicing, export and translation initiation. Mutations in the gene encoding RCK can cause the protein to be overexpressed, changing its function to that of an oncogene that positively regulates the expression of genes involved in cell growth and proliferation. It is believed that, through its unwindase activity, the main function of RCK is to downregulate mRNA expression and maintain normal transcriptional levels within the cell.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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