

# DDX5 Rabbit mAb

Catalog No: #49625



Package Size: #49625-1 50ul #49625-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

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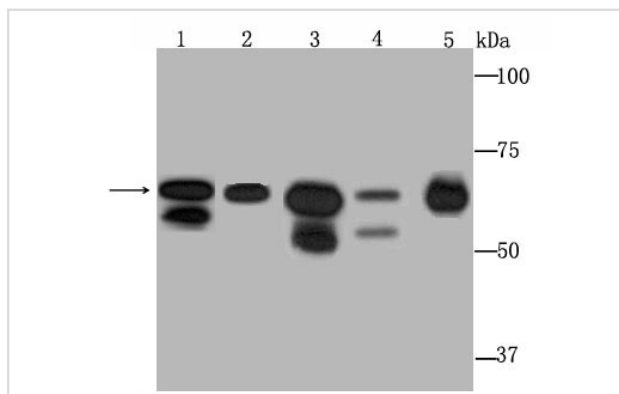
## Description

Product Name	DDX5 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM52-30
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ATP dependent RNA helicase DDX5 antibody DDX 5 antibody Ddx5 antibody DDX5_HUMAN antibody DEAD (Asp Glu Ala Asp) box helicase 5 antibody DEAD (Asp Glu Ala Asp) box polypeptide 5 antibody DEAD box 5 antibody DEAD box protein 5 antibody DEAD/H (Asp Glu Ala Asp/His) box polypeptide 5 (RNA helicase, 68kD) antibody G17P1 antibody HELR antibody HLR1 antibody HUMP68 antibody P68 antibody p68 RNA helicase antibody Probable ATP dependent RNA helicase DDX5 antibody Probable ATP-dependent RNA helicase DDX5 antibody RNA helicase p68 antibody
Accession No.	Swiss-Prot#:P17844
Calculated MW	69/60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

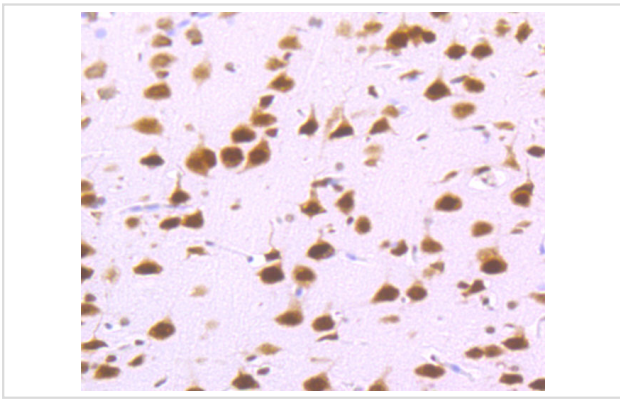
WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

## Images

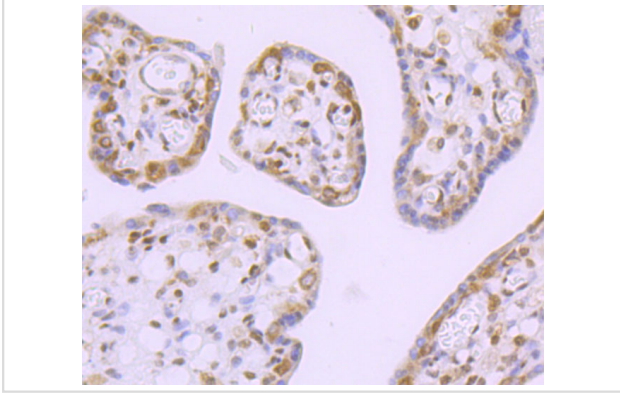


Western blot analysis of DDX5 on different cell lysate using anti-DDX5 antibody at 1/1,000 dilution. Positive control

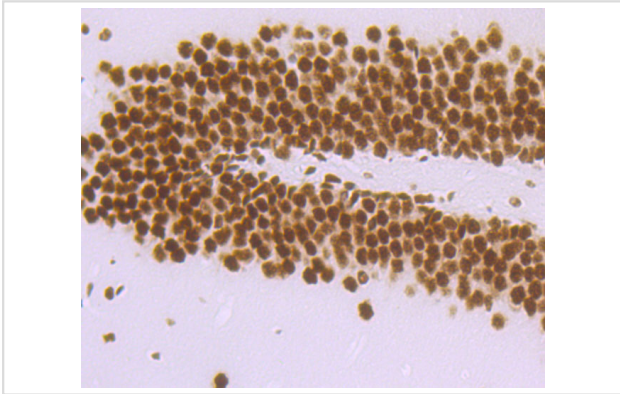
- Lane1: PC-12
- Lane2: MEF
- Lane3: SH-SY5Y
- Lane4: NIH-3T3
- Lane5: Mouse brain



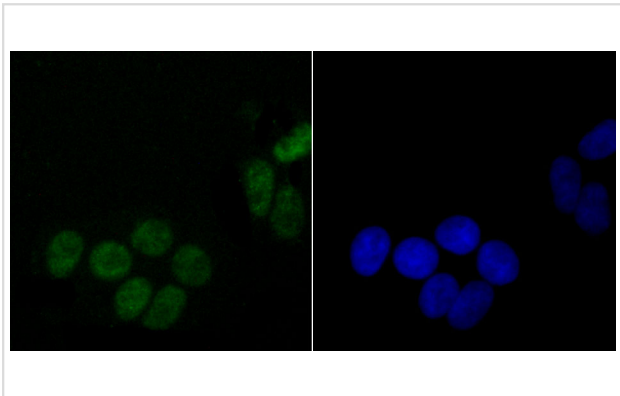
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-DDX5 antibody. Counter stained with hematoxylin.



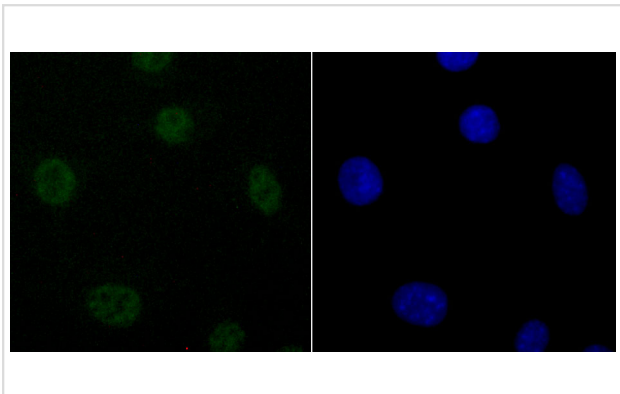
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-DDX5 antibody. Counter stained with hematoxylin.



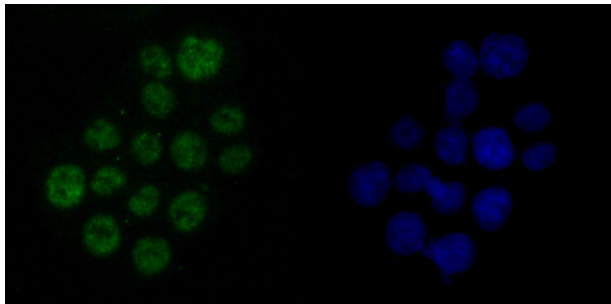
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-DDX5 antibody. Counter stained with hematoxylin.



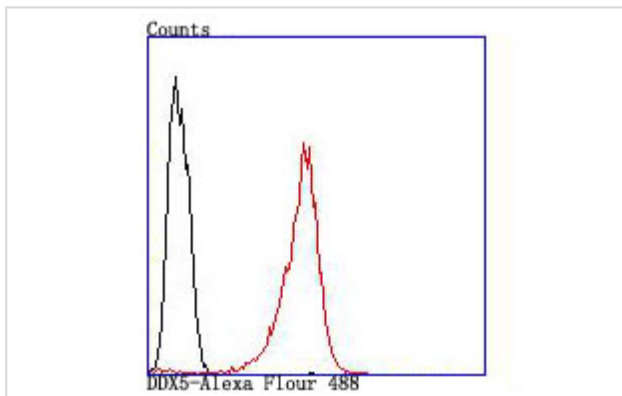
ICC staining DDX5 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining DDX5 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining DDX5 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY5Y cells with DDX5 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

## Background

p68 RNA helicase is a nuclear protein that exhibits RNA-dependent ATPase activity. Phosphorylation by protein kinase C inhibits p68 RNA helicase activity. p68 RNA helicase appears to play a role in organ differentiation during development. Furthermore, p68 RNA helicase is expressed in early neural development and in various mesodermal tissues in a number of different chordate embryos. At the cellular level, the expression levels of p68 RNA helicase increases in serum-induced quiescent cell lines. p68 RNA helicase may function as a coactivator for estrogen receptor alpha. Additionally, p68 RNA helicase associates with transcriptional coactivators CBP and p300. p68 RNA helicase localizes to the nucleus under normal conditions. During late telophase, p68 RNA helicase and fibrillarin colocalize to nascent nucleoli. p68 RNA helicase may function as a heterodimer with p72 RNA helicase.

## References

1. Rajgor D et al. Identification of novel nesprin-1 binding partners and cytoplasmic matrix-3 in processing bodies. *Mol Biol Cell* 27:3894-3902 (2016).
2. Li Z et al. The long noncoding RNA THRIL regulates TNF $\alpha$  expression through its interaction with hnRNPL. *Proc Natl Acad Sci U S A* 111:1002-7 (2014).

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