

DDX60 Rabbit pAb

DDX60 Rabbit pAb
Catalog # AP55486

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IY21
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	197853
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DDX60
Epitope Specificity	81-180/1712
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DDX60 is a 1,712 amino acid protein belonging to the helicase family. DDX60 contains one helicase ATP-binding domain and one helicase C-terminal domain. The gene encoding DDX60 maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntington gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. Chromosome 4 reportedly contains the largest gene deserts (regions of the genome with no protein encoding genes) and has one of the two lowest recombination frequencies of the human chromosomes.

Additional Information

Gene ID	55601
Other Names	Probable ATP-dependent RNA helicase DDX60, 3.6.4.13, DEAD box protein 60, DDX60
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

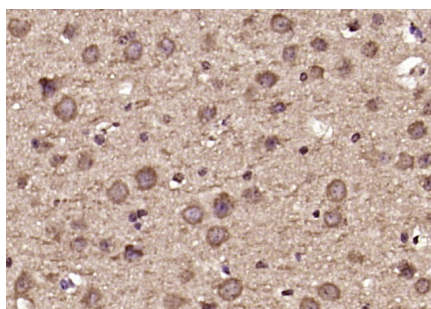
Protein Information

Name	DDX60
Function	Positively regulates RIGI- and IFIH1/MDA5-dependent type I interferon and interferon inducible gene expression in response to viral infection. Binds ssRNA, dsRNA and dsDNA and can promote the binding of RIGI to dsRNA. Exhibits antiviral activity against hepatitis C virus and vesicular stomatitis virus (VSV). Selectively reduces infectious titers of viruses that depend on type II IRES-mediated translation by modulating ribosome occupancy on type II IRES-containing viral mRNAs, without affecting type I IRES-mediated translation (PubMed: 36256515).
Cellular Location	Cytoplasm.
Tissue Location	Brain, lymph node, prostate, stomach, thyroid, tongue, trachea, uterus, skeletal muscle, spleen, kidney, liver and small intestine.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DDX60) Polyclonal Antibody, Unconjugated (AP55486) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.