

DDX60 Antibody
Catalog # ASC11514**Specification**

DDX60 Antibody - Product Information

Application	WB, IF
Primary Accession	Q8IY21
Other Accession	NP_060101 , 222831595
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 125, 185, 188 kDa

Application Notes	Observed: 190 kDa KDa DDX60 antibody can be used for detection of DDX60 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.
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DDX60 Antibody - Additional Information

Gene ID **55601**

Target/Specificity

DDX60; At least three isoforms of DDX60 are known to exist; this antibody will detect all three isoforms.

Reconstitution & Storage

DDX60 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

DDX60 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DDX60 Antibody - 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).

Cellular Location

Cytoplasm.

Tissue Location

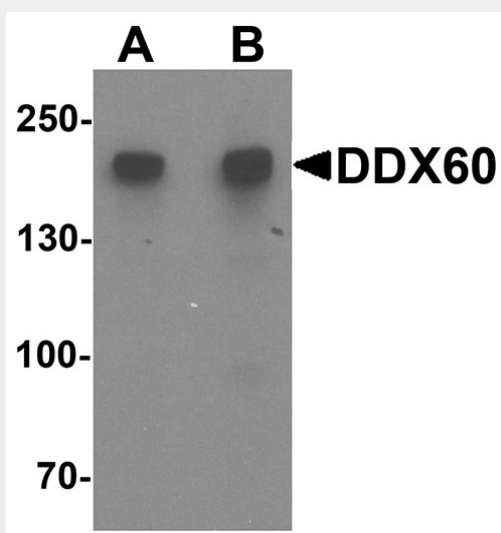
Brain, lymph node, prostate, stomach, thyroid, tongue, trachea, uterus, skeletal muscle, spleen, kidney, liver and small intestine.

DDX60 Antibody - Protocols

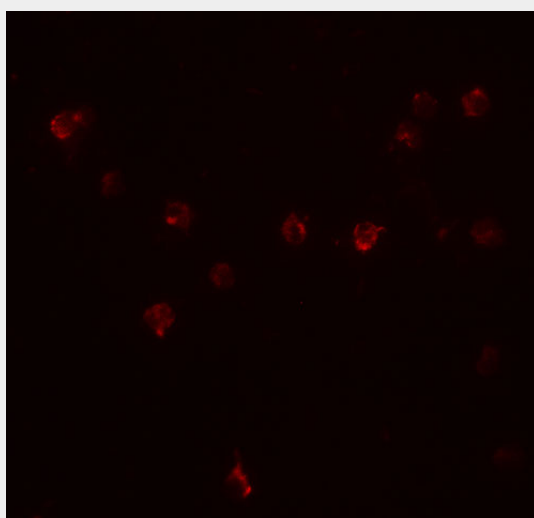
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DDX60 Antibody - Images



Western blot analysis of DDX60 in A20 cell lysate with DDX60 antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence of DDX60 in A20 cells with DDX60 antibody at 20 µg/mL.

DDX60 Antibody - Background

DDX60 Antibody: DDX60 is a DEXD/H Box RNA helicase and the human homolog of the *S. cerevisiae* Ski2, a cofactor of RNA exosome. Expression of DDX60 increases after viral infection and binds to endogenous RIG-I, a cytoplasmic viral RNA sensor, as well as other RIG-I-like receptors such as MDA5 and LGP2. These proteins activate TBK1 and IKK-e, signaling IRF3 and NF- κ B-responsive genes in the innate immune response pathway. DDX60 is required for the RIG-I- or MDA5-dependent response to viral infection, but is dispensable for TLR3-mediated signaling.

DDX60 Antibody - References

Miyashita M, Oshiumi H, Matsumoto M, et al. DDX60, a DEXD/H box helicase, is a novel antiviral factor promoting RIG-I-like receptor-mediated signaling. *Mol. Cell. Biol.* 2011; 31:3802-19.