

## DDX58 (Phospho-Thr170) Antibody HRP Conjugated

Catalog No: #C05666H

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## Description

Product Name	DDX58 (Phospho-Thr170) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human DDX58 around the phosphorylation site of Thr170
Conjugates	HRP
Target Name	DDX58 Thr170
Other Names	DEAD H Asp-Glu-Ala-Asp His box polypeptide RIG-I; DKFZp434J1111; DKFZp686N19181; FLJ13599; C330021E21; OTTHUMP00000045225; DEAD Asp-Glu-Ala-Asp box polypeptide 58; DEAD Asp Glu Ala Asp His box polypeptide; DEAD box protein 58; Probable ATP dependent RNA helicase DDX58; Retinoic acid inducible gene 1
Accession No.	NCBI Gene ID23586
Uniprot	O95786
GeneID	23586;
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

## Background

The innate immune system detects viral infection by recognizing various viral components and triggers antiviral responses. Like the toll-like receptor 3 (TLR3), the cytoplasmic helicase retinoic acid inducible gene protein 1 (RIG1 DDX58) recognizes double-stranded (ds) RNA, a molecular pattern associated with viral infection. Unlike TLR3 however, RIG1 DDX58 activates the kinases TBK1 and IKKe through the adaptor protein IPS1. These kinases then phosphorylate the transcription factors IRF3 and IRF7 which are essential for the expression of type-I interferons. RIG1 DDX58 is required for the production of interferons in response to RNA viruses including paramyxoviruses, influenza virus, and Japanese encephalitis virus.

Note: This product is for in vitro research use only