

bs-5300R**[Primary Antibody]****phospho-DDX58 (Thr170) Rabbit pAb****BioSS**
ANTIBODIES

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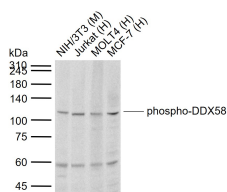
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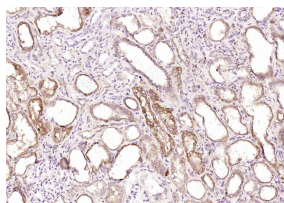
400-901-9800

— DATASHEET —

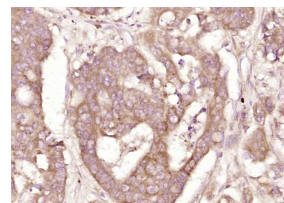
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 23586	SWISS: Q95786	IHC-F (1:100-500)
Target: DDX58 (Thr170)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human DDX58 around the phosphorylation site of Thr170: PK(p-T)LK.		Reactivity: Human, Mouse (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 106 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm
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.		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Human Jurkat cell lysates Lane 3: Human MOLT4 cell lysates Lane 4: Human MCF-7 cell lysates Primary: Anti-phospho-DDX58 (Thr170) (bs-5300R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 106 kDa Observed band size: 110 kDa



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (phospho-DDX58 (Thr170)) Polyclonal Antibody, Unconjugated (bs-5300R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); 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 (phospho-DDX58 (Thr170)) Polyclonal Antibody, Unconjugated (bs-5300R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.