

Datasheet for ABIN361505

anti-IFNAR1 antibody (pSer535, pSer539)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	IFNAR1
Binding Specificity:	pSer535, pSer539
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFNAR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser535/539 conjugated to KLH
Specificity:	Specific for IFNAR1 protein phosphorylated at Ser535,539.
Cross-Reactivity:	Human
Predicted Reactivity:	bovine, canine, mouse, non-human primate, rat, sheep
Purification:	Antigen Affinity Purified from Pooled Serum

Target Details

Target:	IFNAR1
Alternative Name:	IFNAR1 (IFNAR1 Products)

Target Details

Background:	Interferons are widely used therapeutic agents because of their anti tumor and antiviral effects and because of their modulatory effects on the immune system (Biron, 2001, Kirkwood, 2002). These cytokines produce their effects by binding to the Type 1 Interferon-a Receptor (IFNAR1). Down regulation of this receptor plays a key role in determining the magnitude and duration of cytokine signaling. This down regulation is thought to be influenced by phosphorylation of Serine 535 and 539 in the IFNAR1 (Kumar et al., 2003). Anti-Phospho Ser535,539 IFNAR1 Western blot of immunoprecipitates from HEK 293 cells transfected with 1. Mock, 2. IFNAR1 WT, and 3. IFNAR1 S535A and S539A mutants showing specific immunolabeling of the ~110k to ~130k IFNAR1 WT. The immunolabeling is absent in IFNAR1 Ser535 and Ser539 mutants (Control). The immunolabeling is blocked by the phosphopeptide (Phos) used as the antigen but not by the corresponding dephosphopeptide (Dephos).
Molecular Weight:	110-130 kDa
Gene ID:	3654
UniProt:	P17181
Pathways:	JAK-STAT Signaling , Hepatitis C

Application Details

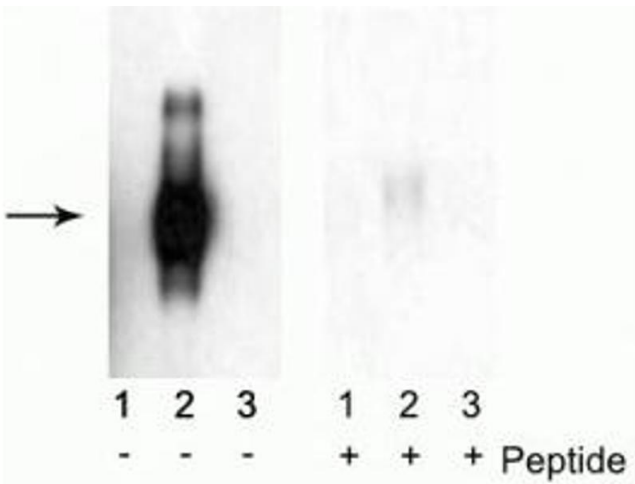
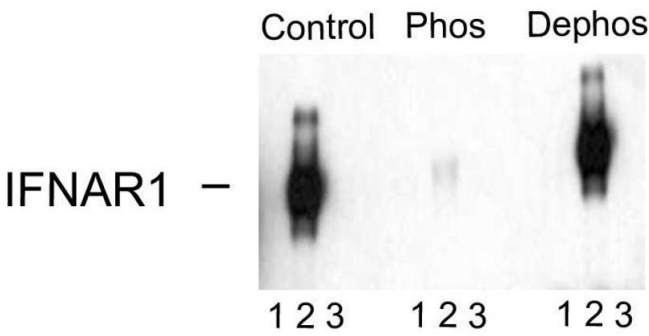
Application Notes:	Recommended Dilution: WB: 1:1000 IHC: 1:1000 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C

Publications

Product cited in:	Yang, Xu, Li, Duan, Fu, Zhang, Zhao, Qiao, Chen, Geng, Che, Cao, Wang, Zhang, Long, He, Cui, Chen, Wang, Liu: "Cloning and characterization of a novel intracellular protein p48.2 that negatively regulates cell cycle progression." in: The international journal of biochemistry & cell biology , Vol. 41, Issue 11, pp. 2240-50, (2009) (PubMed).
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Western Blotting

Image 1. Western blots of immunoprecipitates from HEK 293 cells transfected with 1. Mock, 2. IFNAR1 WT, and 3. IFNAR1 S535A and S539A mutants showing specific immunolabeling of the ~110k to ~130k IFNAR1 WT. The immunolabeling is absent in IFNAR1 Ser535 and Ser539 mutants (Control). The immunolabeling is blocked by the phosphopeptide (Phos) used as the antigen but not by the corresponding dephosphopeptide (Dephos).

Western Blotting

Image 2. Western blot of immunoprecipitates from HEK 293 cells transfected with 1) Mock, 2) IFNAR1 WT, and 3) IFNAR1 S535A and S539A mutants. Specific immunolabeling of the ~110 kDa to ~130 kDa IFNAR1 WT (2) is shown in the first blot, as the immunolabeling is absent in IFNAR1 Ser535 and Ser539 mutants (3). The specific immunolabeling is blocked by the phosphopeptide (+) used as the antigen in the second blot.