Datasheet for ABIN372660
anti-IFNAR1 antibody (pSer535, pSer539)

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Overview

Quantity:	0.1 mL
Target:	IFNAR1
Binding Specificity:	pSer535, pSer539
Reactivity:	Human, Mouse, Rat, Cow, Dog, Non-Human Primate, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFNAR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho- Ser535,539 of Human IFNAR1.
Isotype:	IgG
Specificity:	This antibody is specific for the IFNAR1 protein phosphorylated at Ser535,539. Note: The Molecular Weight of the IFNAR1 varies with cell line (different levels of glycosylation) in 293 and HeLa Cells, the mature form is ~110-130k.
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, Canine, Human, Mouse, Sheep and non-Human Primates. Species reactivity (tested):Rat.
Purification:	Sequential Chromatography on phospho- and dephosphopeptide affinity columns.

Target Details

Target:	IFNAR1
Alternative Name:	IFNAR1 (IFNAR1 Products)
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-α 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).Synonyms: CRF2-1, Cytokine receptor class-II member 1, Cytokine receptor family 2 member 1, IFN-R-1, IFN-alpha Receptor alpha, IFN-alpha/beta receptor 1, Interferon-alpha/beta receptor alpha chain, Type I interferon receptor 1
Gene ID:	3454
NCBI Accession:	NP_000620
UniProt:	P17181
Pathways:	JAK-STAT Signaling, Hepatitis C

Application Details

Application Notes:	Western blot: 1/1000. Immunohistochemistry: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 μg/mL BSA and 50 % Glycerol.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at-20 °C.

Publications

Product cited in:	Bhattacharya, HuangFu, Liu, Veeranki, Baker, Koumenis, Diehl, Fuchs: "Inducible priming

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Publications

phosphorylation promotes ligand-independent degradation of the IFNAR1 chain of type I interferon receptor." in: **The Journal of biological chemistry**, Vol. 285, Issue 4, pp. 2318-25, (2010) (PubMed).

Images

Image 1.