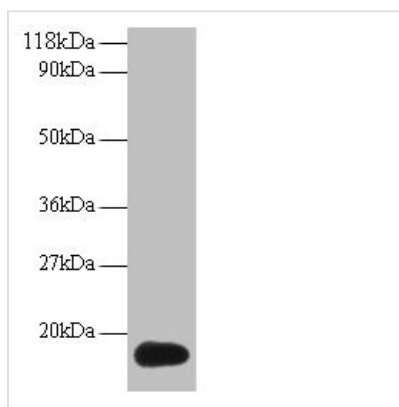




ISG15 Antibody

Product Code	CSB-PA09744A0Rb
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P05161
Immunogen	Recombinant Human Ubiquitin-like protein ISG15 protein (2-157AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IP; Recommended dilution: WB:1:1000-1:5000, IP:1:200-1:2000
Relevance	Ubiquitin-like protein that is conjugated to intracellular target proteins after IFN-alpha or IFN-beta stimulation. Its enzymatic pathway is partially distinct from that of ubiquitin, differing in substrate specificity and interaction with ligating enzymes. ISG15 conjugation pathway uses a dedicated E1 enzyme, but seems to converge with the Ub conjugation pathway at the level of a specific E2 enzyme. Targets include STAT1, SERPINA3G/SPI2A, JAK1, MAPK3/ERK1, PLCG1, EIF2AK2/PKR, MX1/MxA, and RIG-1. Deconjugated by USP18/UBP43. Shows specific chemotactic activity towards neutrophils and activates them to induce release of eosinophil chemotactic factors. May serve as a trans-acting binding factor directing the association of ligated target proteins to intermediate filaments. May also be involved in autocrine, paracrine and endocrine mechanisms, as in cell-to-cell signaling, possibly partly by inducing IFN-gamma secretion by monocytes and macrophages. Seems to display antiviral activity during viral infections. Ref.12 Ref.13 Ref.14 Ref.15 Ref.20 Ref.21In response to IFN-tau secreted by the conceptus, may ligate to and regulate proteins involved in the release of prostaglandin F2-alpha (PGF), and thus prevent lysis of the corpus luteum and maintain the pregnancy
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Ubiquitin-like protein ISG15 (Interferon-induced 15 kDa protein) (Interferon-induced 17 kDa protein) (IP17) (Ubiquitin cross-reactive protein) (hUCRP), ISG15, G1P2 UCRP
Species	Human
Research Area	Cell Biology
Target Names	ISG15
Image	



Western blot

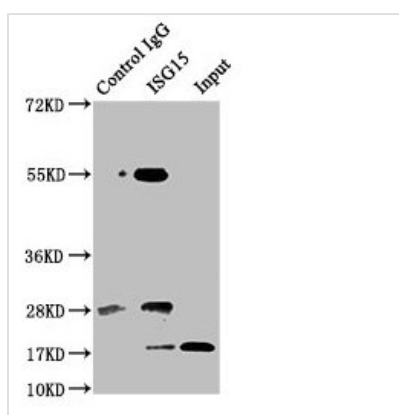
All lanes: ISG15 antibody at 2μg/ml + 293T whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/15000 dilution

Predicted band size: 18 kDa

Observed band size: 18 kDa



Immunoprecipitating ISG15 in Hela whole cell lysate

Lane 1: Rabbit control IgG instead of CSB-PA09744A0Rb in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/5000)

Lane 2: CSB-PA09744A0Rb (8μg) + Hela whole cell lysate (500μg)

Lane 3: Hela whole cell lysate (20μg)