

Basic Information

Product Name	Anti-ISG15 Antibody	
Gene Name	ISG15	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human ISG15 recombinant protein (Position: G2-G157). Human ISG15 shares 65.8% amino acid (aa) sequence identity with mouse ISG15.	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	17KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Interferon-stimulated gene 15 (ISG15) is a 17 kDA secreted protein that in humans is encoded by the ISG15 gene. The protein encoded by this gene is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon-alpha and interferon-beta. Several functions have been ascribed to the encoded protein, including chemotactic activity towards neutrophils, direction of ligated target proteins to intermediate filaments, cell-to-cell signaling, and antiviral activity during viral infections. While conjugates of this protein have been found to be noncovalently attached to intermediate filaments, this protein is sometimes secreted.

Selected Validation Data



Western blot analysis of ISG15 expression in 22RV1 whole cell lysates (lane 1) and HELA whole cell lysates (lane 2). ISG15 at 15KD was detected using rabbit anti- ISG15 Antigen Affinity purified polyclonal antibody (Catalog # PB0999) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).