

Datasheet for ABIN356680
anti-ISG15 antibody (C-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	ISG15
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISG15 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ISG15.
Isotype:	Ig Fraction
Specificity:	This antibody is specific to ISG15 (C-term).
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	ISG15
Alternative Name:	ISG15 / G1P2 (ISG15 Products)

Target Details

Background:	ISG15 is secreted from monocytes in response to type I interferons and causes natural killer (NK)-cell proliferation and an augmentation of non-MCH (major histocompatibility complex)-restricted cytotoxicity. Synthesis is stimulated by IFN-alpha or IFN-beta or IFN-omega , but not IFN-gamma . ISG15 expression is also induced by overexpression of interferon regulatory factors that participate in transcriptional regulation of IFN genes, and by influenza B virus. ISG15 is secreted also by cell lines of monocyte, T-lymphocyte, B-lymphocyte, human fibroblasts, and epithelial origins. The induction of terminal differentiation in human melanoma cells is associated with alterations in ISG15 expression. Enhancement of NK cell proliferation, augmentation of non-major histocompatibility complex-restricted cytotoxicity, and induction of IFN-gamma from T cells identify ISG15 as a member of the cytokine cascade and suggest that it may be responsible for amplifying and directing some of the immunomodulatory effects of IFN-alpha or IFN-beta. ISG15 has also been shown to function intracellularly as a ubiquitin homolog.Synonyms: Interferon-induced 15 kDa protein, Interferon-induced 17 kDa protein, UCRP, Ubiquitin cross-reactive protein
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Gene ID:	9636, 9606
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UniProt:	P05161
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Application Details

Application Notes:	ELISA: 1/1,000. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images

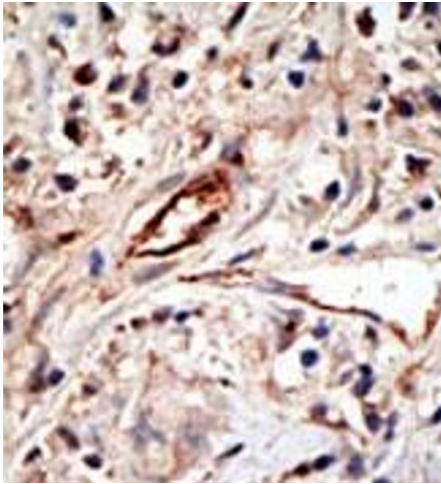


Image 1.