Human ISG15/UCRP Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4845V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human ISG15 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human ISG15 Gly2-Gly157 Accession # ABW03539
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ISG15 (interferon-induced 15 kDa protein; also IP17) is a 15 kDa ubiquitin family protein that is expressed by a wide variety of cell types. ISG15 is induced by type I IFN, and like ubiquitin, becomes conjugated to intracellular proteins. Unlike ubiquitin, it does not target proteins for degradation, instead, it is part of the anti-virus response. Human proISG15 is 165 amino acids (aa) in length. There are two ubiquitin-like domains (aa 2-78 and 79-157) and a propeptide (aa 15-165) that is cleaved intracellularly. Select blood mononuclear cells secrete mature ISG15, which is chemotactic for neutrophils. Mature human ISG15 is 66% aa identical to mouse ISG15.

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