Human RIPK2/RIP2 Alexa Fluor® 488-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2527A
Catalog Number: FAB103872G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RIPK2/RIP2 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2527A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E.coli*-derived recombinant human RIPK2/RIP2 Met1-Met540 Accession # O43353
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Receptor-interacting serine/threonine-protein kinase 2, also known as RIPK2 or RIP-2, is a 540 amino acids (aa) Serine/threonine/tyrosine kinase encoded by the RIPK2 gene. RIP-2, a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, plays an essential role in modulation of innate and adaptive immune responses. Human RIP2 is an adapter protein necessary for signal propagation of the Nucleotide-binding-oligomerization-domain-containing proteins 1/2 (NOD1 and NOD2). Upon stimulation by bacterial peptidoglycans, NOD1 and NOD2 are activated, oligomerize, and recruit RIPK2 through the C-terminal caspase recruitment domain (CARD). Human and mouse RIPK2 aa sequences are 84% identical .

PRODUCT SPECIFIC NOTICES

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