

DESCRIPTION

Species Reactivity	Human
Specificity	Detects huma iRHOM2/RHBDF2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 996308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human iRHOM2/RHBDF2 Accession # Q6PJF5
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

Human Inactive rhomboid protein 2 (RHBDF2 or iRHOM2) is a highly conserved seven-transmembrane Rhomboid protease-like protein which is inactive, it has no protease activity, but has been implicated in the secretion of several ligands of the epidermal growth factor receptor (EGFR), probably by regulating trafficking and stability of key protein membrane like ADAM17 and STING. The RHBDF2 protein plays an important role in the secretion of tumor necrosis factor alpha and has been implicated in familial esophageal cancer. Gain-of-function (GOF) mutations in the RHBDF2 gene constitutively activate EGFR signaling to cause tylosis with esophageal cancer syndrome.

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