

DESCRIPTION

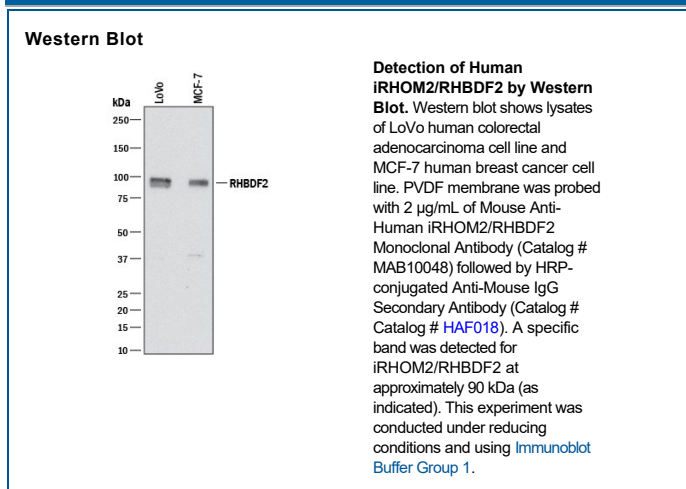
Species Reactivity	Human
Specificity	Detects huma iRHOM2/RHBDF2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 996308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human iRHOM2/RHBDF2 Accession # Q6PJF5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.