Human MIG2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 696906

Catalog Number: MAB6984

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MIG2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) MIG, rhFERMT1 (aa 514-677), rhMIG2/FERMT2 (aa 514-680), or rhFERMT3 (498-667) is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 696906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MIG2 Gln321-Leu444 Accession # Q96AC1
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 as a 0.2 µm filtered solution in PBS.

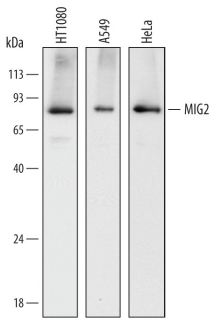
APPLICATIONS

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	0.5 µg/mL	See Below

DATA

Western Blot



Detection of Human MIG2 by Western Blot. Western blot shows lysates of HT1080 human fibrosarcoma cell line, A549 human lung carcinoma cell line, and HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human MIG2 Monoclonal Antibody (Catalog # MAB6984) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for MIG2 at approximately 78 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 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

MIG2 (mitogen-inducible gene-2), also known as FERMT2 or Kindlin-2, is an approximately 80 kDa, 680 amino acid (aa), ubiquitously expressed member of the Fermitin/Kindlin family of cytoplasmic adaptor proteins. MIG2 is essential for β1 and β3 integrin activity due to its interactions with regulatory molecules such as talin and ILK. MIG2 contains two FERM domains (aa 285-326 and aa 524-573) and one pleckstrin homology domain (aa 373-478). Within the region used as an immunogen, human MIG2 shares 98% aa identity with mouse and rat MIG2. Two isoforms (687 aa and 633 aa) have a 7 aa insert after aa 534. The shorter isoform also has a 2 aa substitution for the C-terminal 57 aa of the 680 aa form.

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