Human TRIM32 Antibody

Monoclonal Mouse IgG_1 Clone # 717801

Catalog Number: MAB6515

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRIM32 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 717801
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human TRIM32 Arg105-Lys204 Accession # Q13049
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.

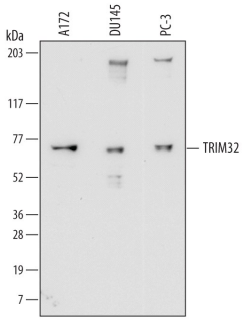
APPLICATIONS

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	0.25 µg/mL	See Below

DATA

Western Blot



Detection of Human TRIM32 by Western Blot. Western blot shows lysates of A172 human glioblastoma cell line, DU145 human prostate carcinoma cell line, and PC-3 human prostate cancer cell line. PVDF membrane was probed with 0.25 µg/mL of Mouse Anti-Human TRIM32 Monoclonal Antibody (Catalog # MAB6515) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for TRIM32 at approximately 72 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

TRIM32 (Tripartite motif-containing protein 32; also 72 kDa TAT-interacting protein, and zinc finger protein HT2A) is a 72-82 kDa member of the TRIM/RBCC family of proteins. It is an E3 ligase that is found in structures termed nuclear and cytoplasmic bodies. Cells known to express TRIM32 are diverse and include fibroblasts, keratinocytes, skeletal muscle cells and neurons. TRIM32 ubiquitinates select proteins such as c-myc, Abi2, actin and dysbindin. Human TRIM32 is 653 amino acids (aa) in length. It contains one E3 ligase RING finger domain (aa 20-65), a B-Box type zinc-finger region (aa 103-133), a coiled-coil region (aa 138-197), five NHL repeats (aa 358-646) and three utilized phosphorylation sites (Ser328/335/339). TRIM32 has the potential to form homomultimers. Over aa 105-204, human TRIM32 exhibits 95% aa identity with mouse TRIM32.

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