Human A20/TNFAIP3 Antibody

Monoclonal Mouse IgG_{2B} Clone # 775928

Catalog Number: MAB75981

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human A20/TNFAIP3 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 775928
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human A20/TNFAIP3 Lys91-Leu263 Accession # P21580
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.

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
Immunocytochemistry	3-25 µg/mL	See Below
Immunohistochemistry	3-25 µg/mL	Immersion fixed paraffin-embedded sections of normal breast and normal liver

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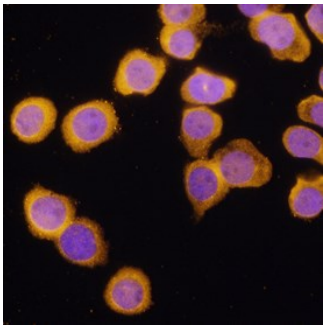
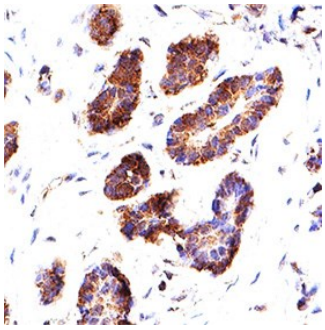
DATA

Immunocytochemistry



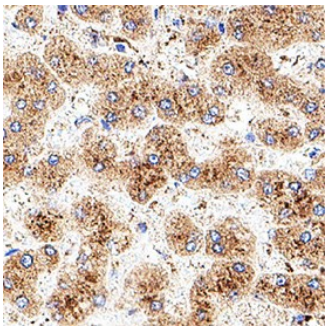
A20/TNFAIP3 in HL-60 Human Cell Line. A20/TNFAIP3 was detected in immersion fixed HL-60 human acute promyelocytic leukemia cell line using Mouse Anti-Human A20/TNFAIP3 Monoclonal Antibody (Catalog # MAB75981) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (yellow; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

Immunohistochemistry



Detection of A20/TNFAIP3 in Normal Breast. A20/TNFAIP3 was detected in immersion fixed paraffin-embedded sections of normal breast using Mouse Anti-Human A20/TNFAIP3 Monoclonal Antibody (Catalog # MAB75981) at 1 µg/ml overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm and glandular cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

Immunohistochemistry



Detection of A20/TNFAIP3 in Normal Liver. A20/TNFAIP3 was detected in immersion fixed paraffin-embedded sections of normal liver using Mouse Anti-Human A20/TNFAIP3 Monoclonal Antibody (Catalog # MAB75981) at 1 µg/ml overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm and hepatocytes. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

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.
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

A20, also called TNFα-induced protein 3 (TNFAIP3), is a cytoplasmic zinc finger protein that inhibits NFκB activity and tumor necrosis factor-mediated programmed cell death. The protein interacts with NAF1 and inhibits TNF-induced NFκB-dependent gene expression by interfering with RIP- or TRAF2-mediated transactivation signaling. A20 contains an N-terminal domain which has deubiquitinating enzyme activity and removes ubiquitin chains from receptor-interacting protein (RIP), thus mediating distinct regulatory effects in the down-regulation of NFκB signaling.

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