BAP31 Monoclonal Antibody (CC-1)

Product Details	
Size	100 µL
Species Reactivity	Bovine, Hamster, Human, Mouse, Non-human primate
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	CC-1
Conjugate	Unconjugated
Immunogen	Amino acid residues 230-246 of BAP31 protein.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325095

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,500-1:6,000	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:1,000-1:10,000	-
Immunocytochemistry (ICC/IF)	1:200-1:1,000	8 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	1 Publication

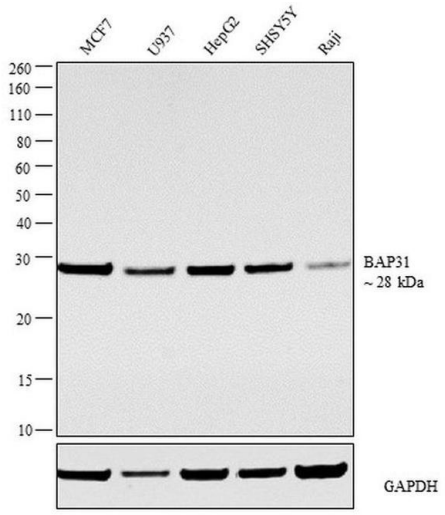
Product Specific Information

MA3-002 detects BAP31 from human, non-human primate, bovine, mouse and hamster samples.

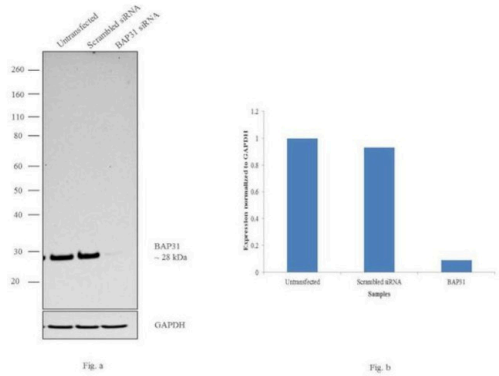
MA3-002 has been successfully used in Western blot, ELISA, immunoprecipitation, immunofluorescent, and immunohistochemical procedures. By Western blot, this antibody detects a 28-kDa protein corresponding to human BAP31.

The MA3-002 antigen is solubilized protein from human neuroendocrine cell line IMR-32 corresponding to the C-terminal region residues 230-246 of BAP31 protein. This sequence is conserved in non-human primate, bovine and hamster species.

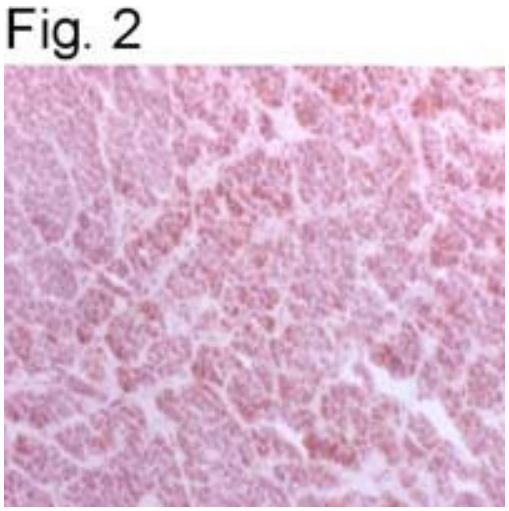
Product Images For BAP31 Monoclonal Antibody (CC-1)



BAP31 Antibody (MA3-002) in WB
Western blot analysis was performed on whole cell extract (30 µg lysate) of MCF7 (Lane 1), U937 (Lane 2), HepG2 (Lane 3), SHSY5Y (Lane 4) and Raji (Lane 5). The blot was probed with Anti-BAP31 Monoclonal Antibody (CC-1) (Product # MA3-002, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rat IgG (H+L) Secondary Antibody, HRP conjugate (Product # 31470, 0.25 µg/ml, 1:4000 dilution). A 28 kDa band corresponding to BAP31 was observed in all cell lines.



BAP31 Antibody (MA3-002)
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with BAP31 siRNA and reduction of signal was observed in Western Blot using BAP31 Monoclonal Antibody (Product # MA3-002). {KD}



BAP31 Antibody (MA3-002) in IHC
Immunohistochemical staining of BAP31 in baboon adrenal gland using Product # MA3-002.

View more figures on thermofisher.com

11 References

Western Blot (2)

eLife

Structural and mechanistic basis of the EMC-dependent biogenesis of distinct transmembrane clients.

"MA3-002 was used in Western Blot to illuminate the structural and mechanistic basis of endoplasmic reticulum membrane protein complex multifunctionality and invstigate its role in differentially regulating the biogenesis of distinct client protein classes."

Authors: Miller-Vedam LE,Bräuning B,Popova KD,Schirle Oakdale NT,Bonnar JL,Prabu JR,Boydston EA,Sevillano N,Shurtleff MJ,Stroud RM,Craik CS,Schulman BA,Frost A,Weissman JS

Year
2020

Species
Human

Dilution
1:10000

Journal of cell science

MUC1 regulates nuclear localization and function of the epidermal growth factor receptor.

"MA3-002 was used in western blot to investigate the regulation of EGFR by MUC1"

Authors: Bitler BG,Goverdhan A,Schroeder JA

Year
2010

Species
Human

Immunocytochemistry (8)

PLoS pathogens

Components of the LINC and NPC complexes coordinately target and translocate a virus into the nucleus to promote infection.

"Published figure using BAP31 monoclonal antibody (Product # MA3-002) in Immunocytochemistry"

Authors: Spriggs CC,Cha G,Li J,Tsai B

Year
2022

Cell reports

Lunapark-dependent formation of a virus-induced ER exit site contains multi-tubular ER junctions that promote viral ER-to-cytosol escape.

"MA3-002 was used in Flow cytometry/Cell sorting to suggest that ER tubular junctions are vulnerable sites exploited by viruses for membrane penetration."

Authors: Bagchi P,Liu X,Cho WJ,Tsai B

Year
2021

Species
Non-human primate

View more ICC/IF references on thermofisher.com

More applications with references on thermofisher.com

IP (1)