

Anti-IMP3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

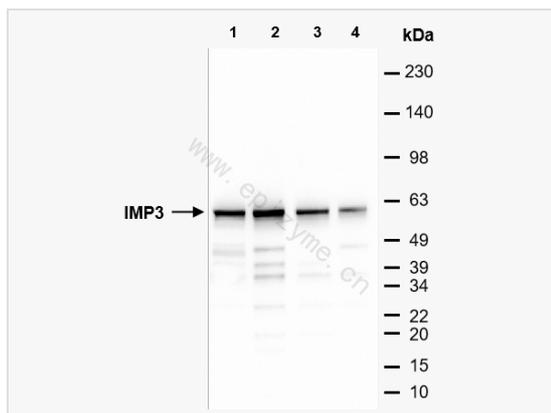
Catalog # R014266

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	20E34Q45
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IMP3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IMP3 Rabbit mAb [20E34Q45] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Cancer/testis antigen 98, CT98, DKFZp686F1078, hKOC, IF2B3_HUMAN, IGF II mRNA binding protein 3, IGF-II mRNA-binding protein 3, IGF2 mRNA binding protein 3, IGF2 mRNA-binding protein 3, IGF2BP3, IMP 3, IMP-3, Insulin like growth factor 2 mRNA binding protein 3, Insulin-like growth factor 2 mRNA-binding protein 3, KH domain containing protein overexpressed in cancer, KH domain-containing protein overexpressed in cancer, KOC 1, KOC1, VICKZ 3, VICKZ family member 3, VICKZ3.
Calculated MW	Calculated MW: 64 kDa; Observed MW: 69 kDa
Uniprot ID	O00425
Gene ID	10643
Background	RNA-binding protein that act as a regulator of mRNA translation and stability. Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binds to sequences in the 3'-UTR of CD44 mRNA.
Cellular Location	Nucleus. Cytoplasm. Found in lamellipodia of the leading edge, in the perinuclear region, and beneath the plasma membrane. The subcytoplasmic localization is cell specific and regulated by cell contact and growth. Localized at the connecting piece and the tail of the spermatozoa. Colocalized with CD44 mRNA in RNP granules.
Tissue Location	Expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary and gonocytes of testis, growing oocytes, spermatogonia and semen (at protein level). Expressed in cervix adenocarcinoma, in testicular, pancreatic and renal-cell carcinomas (at protein level). Expressed ubiquitously during fetal development at 8 and 14 weeks of gestation. Expressed in ovary, testis, brain, placenta, pancreatic cancer tissues and pancreatic cancer cell lines.



Western Blot - Anti-IMP3 Rabbit mAb [20E34Q45]

All lanes: R014266 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

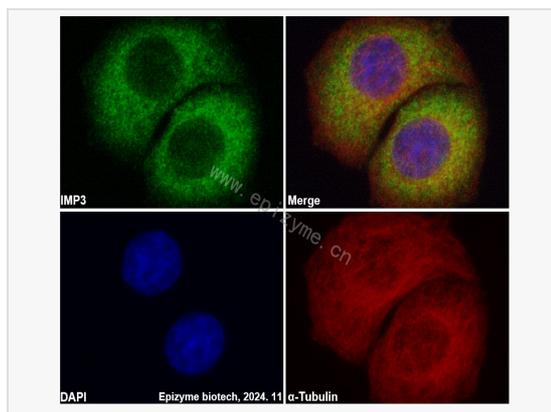
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 64 kDa

Observed band size: 69 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-IMP3 Rabbit mAb [20E34Q45]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014266 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).