

Anti-IMPA1 antibody (1-277) (STJ28464)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

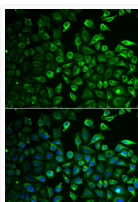
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:10-1:100 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 30kDa Observed Mw: 30kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

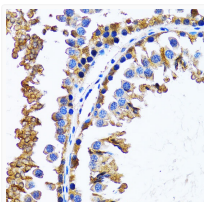
Gene ID	3612
Gene Symbol	IMPA1
UniProt ID	IMPA1_HUMAN
Immunogen Region	1-277
Immunogen Sequence	MADPWQECMDYAVTLARQAG EVVCEAIKNEMNVMLKSSPV DLVTATDQKVEKMLISSIKE KYPSSHSGFIEESVAAGEKSI LTDNPTWIIDPIDGTTNFVH RFPFVAVSIGFAVNKKIEFG VVYSCVEGKMYTARKGKGAF CNGQKLQV/SQQEDITKSLV TELGSSRTPETVRMVLNME KLFCIPVHGIRSVGTAAVNM CLVATGGADAYYEMGIHCWD VAGAGIIVTEAGGVLMDDVT
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-277 of human IMPA1 (NP_005527.1).

ADDITIONAL INFORMATION

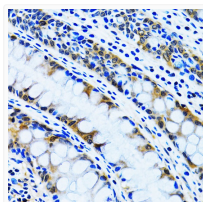
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



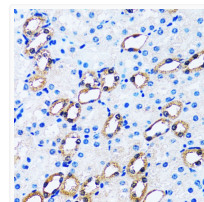
Immunofluorescence analysis of A549 cells using IMPA1 antibody (STJ28464). Blue: DAPI for nuclear staining.



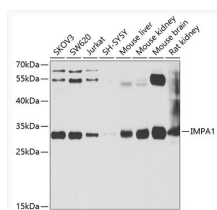
Immunohistochemistry analysis of paraffin-embedded mouse testis using IMPA1 antibody (STJ28464) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human colon using IMPA1 antibody (STJ28464) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using IMPA1 antibody (STJ28464) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using IMPA1 antibody (STJ28464) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.