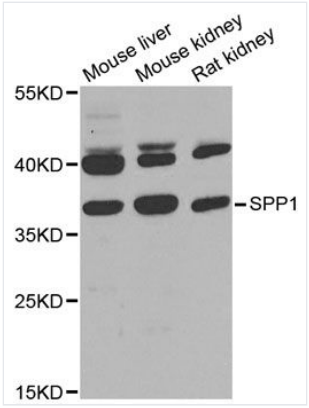
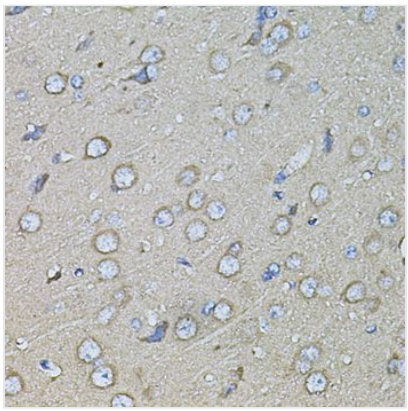
SPP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

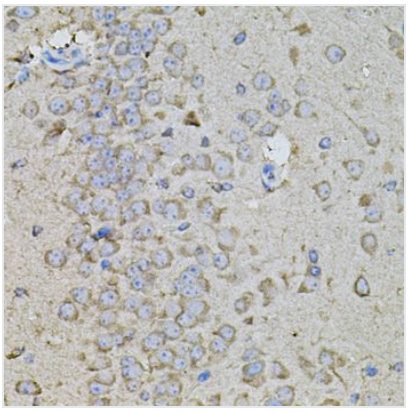
Product Name	OPN (SPP1), Polyclonal Antibody
Full Product Name	OPN
Product Gene Name	anti-SPP1 antibody
Product Synonym Names	SPP1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, mouse
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Molecular Weight	314
Chromosome Location	Chromosome: 4; NC_000004.11 (88896802..88904563). Location: 4q22.1
OMIM	166490
3D Structure	ModBase 3D Structure for P10451
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SPP1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FC/FACS)
Related Product Information for anti-SPP1 antibody	MBS127881 is an antibody targeting SPP1. Also known as OPN. Reactive in Human, mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SPP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SPP1 antibody
Western blot analysis of extracts of various cell lines, using SPP1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 15s.



Immunohistochemistry (IHC) of anti-SPP1 antibody
Immunohistochemistry of paraffin-embedded rat brain using SPP1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-SPP1 antibody
Immunohistochemistry of paraffin-embedded mouse brain using SPP1 antibody at dilution of 1:100 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPP1. It may not necessarily be applicable to this product.

NCBI GI #	4759166
NCBI GeneID	6696
NCBI Accession #	NP_000573.1
UniProt Primary Accession #	P10451
UniProt Secondary Accession #	Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
UniProt Related Accession #	P10451
GenBank Nucleotide #	NM_000582.2
NCBI Official Full Name	osteopontin isoform OPN-b
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
UniProt Protein Name	Osteopontin
UniProt Synonym Protein Names	Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin
Protein Family	COMPASS component
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN
NCBI Protein Information	osteopontin; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)
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