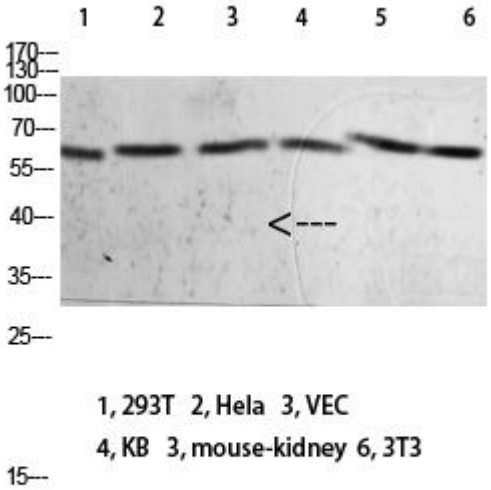
Mox1 Monoclonal Antibody

Catalog No	YP-mAb-02895
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NOX1 MOX1 NOH1
Protein Name	NADPH oxidase 1 (NOX-1) (EC 1.-.-.-) (Mitogenic oxidase 1) (MOX-1) (NADH/NADPH mitogenic oxidase subunit P65-MOX) (NOH-1)
Immunogen	Synthetic peptide from human protein at AA range: 210-260
Specificity	The antibody detects endogenous Mox1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NADPH oxidase 1 (NOX-1;EC 1.-.-.-;Mitogenic oxidase 1;MOX-1;NADH/NADPH mitogenic oxidase subunit P65-MOX;NOH-1)
Observed Band	65kD
Cell Pathway	Cell projection, invadopodium membrane ; Multi-pass membrane protein . Cell membrane .
Tissue Specificity	NOH-1L is detected in colon, uterus, prostate, and colon carcinoma, but not in peripheral blood leukocytes. NOH-1S is detected only in colon and colon carcinoma cells.
Function	cofactor:FAD .,cofactor:NADP .,enzyme regulation:The oxidase activity is potentiated by NOXA1 and NOXO1.,function:NOH-1S is a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. NOH-1L is a pyridine nucleotide-dependent oxidoreductase that generates superoxide and might conduct H(+) ions as part of its electron transport mechanism, whereas NOH-1S does not contain an electron transport chain.,similarity:Contains 1 FAD-binding FR-type domain.,similarity:Contains 1 ferric oxidoreductase domain.,subunit:NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric complex supporting ROS production. Interacts with NOXA1 and NOXO1.,tissue specificity:NOH-1L is detected in colon, uterus, prostate, and colon carcinoma, but not in peripheral blood leukocytes. NOH-1S is dete

Background	This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Mox1 Monoclonal Antibody