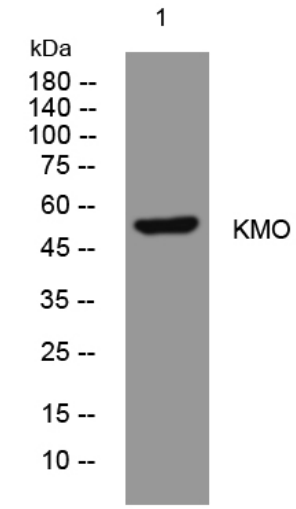
KMO rabbit pAb

Catalog No	YP-Ab-11260
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	KMO
Protein Name	KMO
Immunogen	Synthesized peptide derived from human KMO AA range: 413-463
Specificity	This antibody detects endogenous levels of KMO at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Mitochondrion outer membrane ; Multi-pass membrane protein .
Tissue Specificity	Highest levels in placenta and liver. Detectable in kidney.
Function	catalytic activity:L-kynurenine + NADPH + O(2) = 3-hydroxy-L-kynurenine + NADP(+) + H(2)O.,cofactor:FAD.,function:Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn). Required for synthesis of quinolinic acid, a neurotoxic NMDA receptor antagonist and potential endogenous inhibitor of NMDA receptor signaling in axonal targeting, synaptogenesis and apoptosis during brain development. Quinolinic acid may also affect NMDA receptor signaling in pancreatic beta cells, osteoblasts, myocardial cells, and the gastrointestinal tract.,miscellaneous:Increased in neuroinflammatory conditions. Inhibitors are investigated as potential neuroprotective drugs since they lead to an increased level of kynurenic acid, a neuroprotective NMDA receptor agonist.,pathway:Cofactor biosynthesis; NAD(+) biosynthesis; pyridine-2,3-dicarboxylate from L-kynurenine: step 1/3.,s
Background	This gene encodes a mitochondrion outer membrane protein that catalyzes the hydroxylation of L-tryptophan metabolite, L-kynurenine, to form L-3-hydroxykynurenine. Studies in yeast identified this gene as a therapeutic

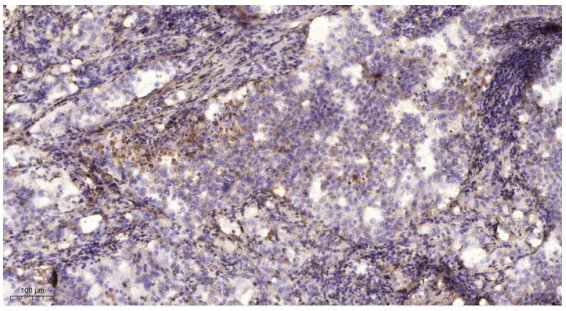
target for Huntington disease. [provided by RefSeq, Oct 2011],

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 lysates from CACO2 cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).