Product Name: **HMOX1 Mouse Monoclonal Antibody**
Catalog #: **AMM82803**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	32.8kDa

Antigen Information

Gene Name	HMOX1
Alternative Names	HO-1; HSP32; HMOX1D; bK286B10
Gene ID	3162.0
SwissProt ID	P09601
Immunogen	Purified recombinant fragment of human HMOX1 (AA: 1-110) expressed in E. Coli.

Background

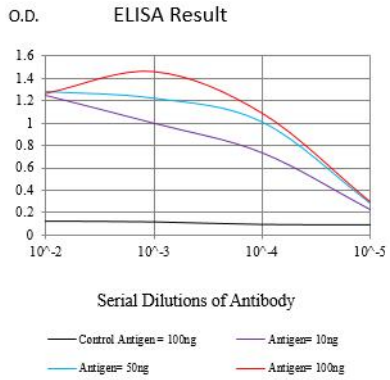
Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1

and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.

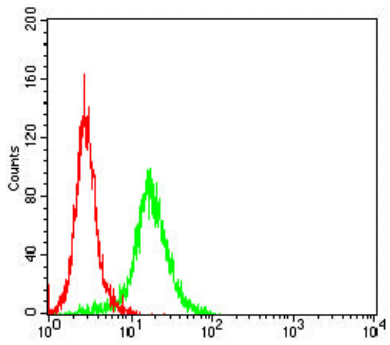
Research Area

Apoptosis

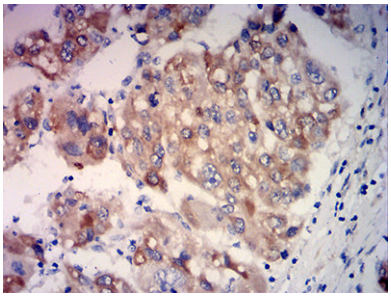
Image Data



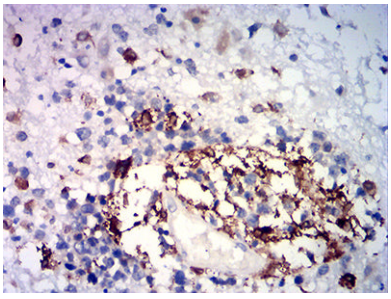
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of Jurkat cells using HMOX1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using HMOX1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain tumor tissues using HMOX1 mouse mAb with DAB staining.