
Product Name: HMOX1 Mouse Monoclonal Antibody**Catalog #: AMM82802**

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

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|--------------------------|--|
| 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

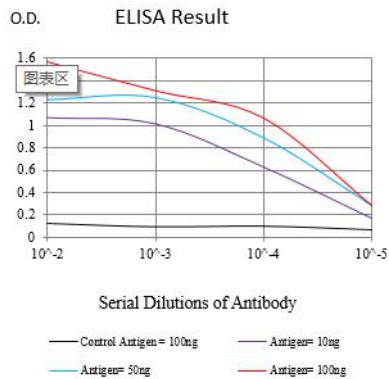
Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances.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

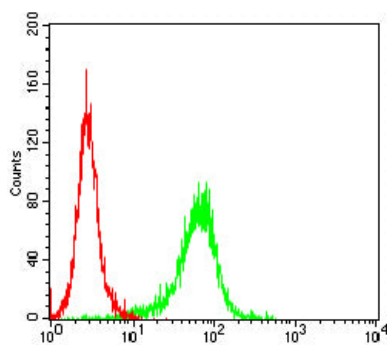
Research Area

Apoptosis

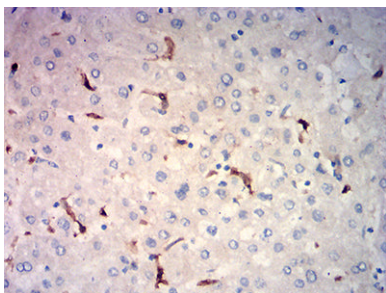
Image Data



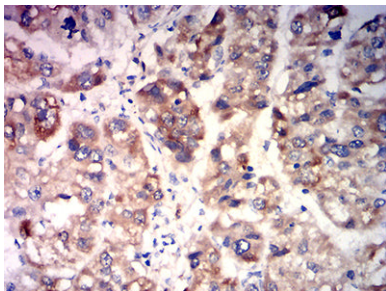
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



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



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



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