

Nur für Forschungszwecke

HO-1/HMOX1 Monoklonaler Antikörper



Katalog-Nr.: 66743-1-Ig

Vorgestelltes Produkt

86 Publikationen

Allgemeine Informationen

Katalog-Nr.:
66743-1-Ig

Größe:

150ul, Konzentration: 1000 µg/ml von 3162

Nanodrop und 523 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG2a

Immunogen Katalognummer:

AG21296

GenBank-Zugangsnummer:

BC001491

GeneID (NCBI):

3162

Vollständiger Name:

heme oxygenase (decycling) 1

Berechnete Masse:

33 kDa

Beobachtete Masse:

33 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

2D10A5

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Hausschwein, Hausschwein, Human, Kaninchen, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HEK-293-Zellen, A549-Zellen, Hausschwein-Lebergewebe, Hausschwein-Milzgewebe, HeLa-Zellen, HepG2-Zellen, Kaninchenlebergewebe, Rattenlebergewebe, Rattenmilzgewebe

IHC: humanes Leberkarzinomgewebe, humanes Nierengewebe, humanes Nierenzellkarzinomgewebe

Hintergrundinformationen

Heme oxygenase (HMOX1) catalyzes the first and rate-limiting step in the degradation of heme to yield equimolar quantities of biliverdin IX α , carbon monoxide (CO), and iron. It has 3 isoforms: HO-1 is highly inducible, whereas HO-2 and HO-3 are constitutively expressed (PMID:10194478). Heme oxygenase-1 (HO-1) is expressed in many tissues and vascular smooth muscle cells, and endothelial cells (PMID:15451051) and has been identified as an important endogenous protective factor induced in many cell types by various stimulants, such as hemolysis, inflammatory cytokines, oxidative stress, heat shock, heavy metals, and endotoxin (PMID: 11522663). And the full-length HO-1 is very unstable and susceptible to truncation that generates an inactive, soluble form (28 kDa) (James R. Reed, Pharmacology, 535-568).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jinliang Liu	34630847	Oxid Med Cell Longev	WB
Katarzyna Magierowska	31568823	Free Radic Biol Med	IHC
Zi-Chao Wang	36163178	Cell Death Dis	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

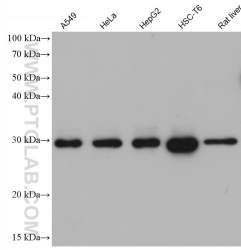
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

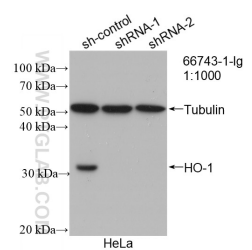
E: proteintech@ptglab.com
W: ptglab.com

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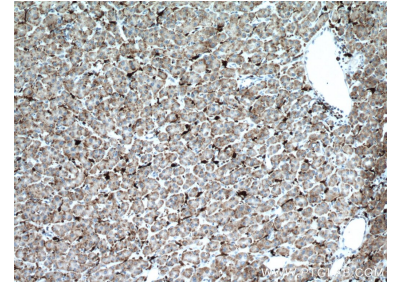
Ausgewählte Validierungsdaten



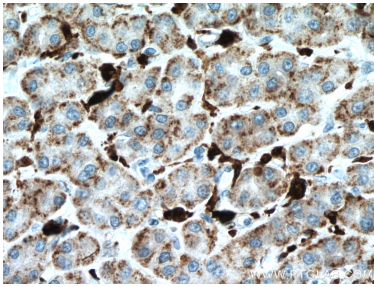
Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



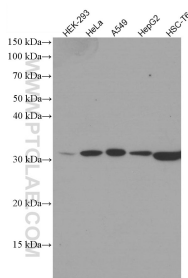
WB result of HO-1/HMOX1 antibody (66743-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HO-1/HMOX1 transfected HeLa cells.



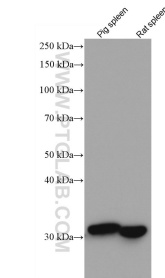
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.