

Nur für Forschungszwecke

HO-1/HMOX1 Monoklonaler Antikörper

Katalog-Nr.:CL488-66743



Allgemeine Informationen

Katalog-Nr.: CL488-66743	GenBank-Zugangsnummer: BC001491	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von Nanodrop;	GeneID (NCBI): 3162	CloneNo.: 2D10A5
Wirt: Maus	Vollständiger Name: heme oxygenase (decycling) 1	Empfohlene Verdünnungen: IF 1:50-1:500
Isotyp: IgG2a	Berechnete Masse: 33 kDa	Anregungs-/Emissionsmaxima- Wellenlängen: 493 nm / 522 nm
Immunogen Katalognummer: AG21296	Beobachtete Masse: 33 kDa	

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF	Positivkontrollen: IF : humanes Lebergewebe,
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	

Hintergrundinformationen

Heme oxygenase (HMOX1) catalyzes the first and rate-limiting step in the degradation of heme to yield equimolar quantities of biliverdin Ixa, 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).

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

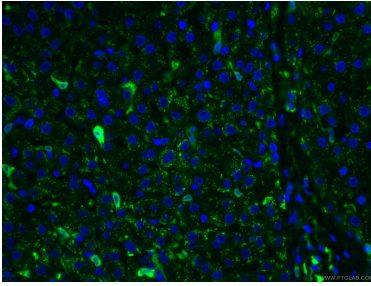
For technical support and original validation data for this product please contact:

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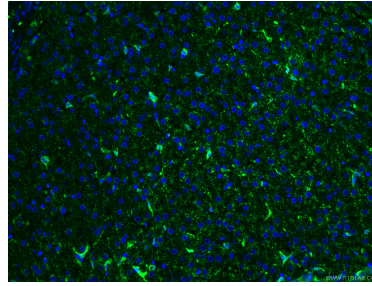
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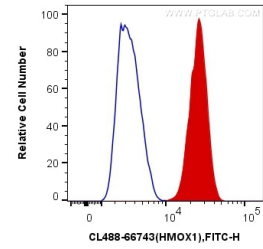
Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CL488-66743 (HO-1/HMOX1 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CL488-66743 (HO-1/HMOX1 antibody) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human HO-1/HMOX1 (CL488-66743, Clone:2D10A5) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).