Recombinant DGRmAb®

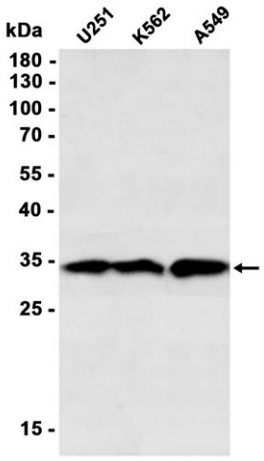
Heme Oxygenase 1 (DGR15440) Rabbit mAb (PBS Only)

db14175-PBS **Package : 10μg 100μg**

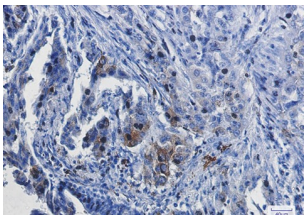
Product Name : Heme Oxygenase 1 (DGR15440) Rabbit mAb (PBS Only)
Cat.No.: db14175-PBS
Synonyms : HO-1; HSP32; HMOX1D; bK286B10
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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. [provided by RefSeq, Jul 2008]
Immunogen	Recombinant protein of mouse Heme Oxygenase 1
Gene ID	3162
Swiss Prot	P09601
Synonyms	HO-1; HSP32; HMOX1D; bK286B10
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	33 kDa
Observed MW	33 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15440
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

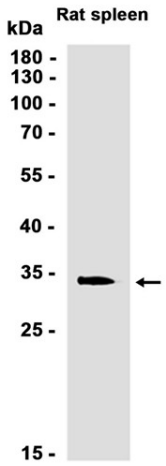
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



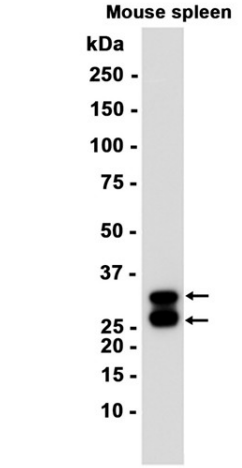
Western blot analysis of extracts from U251, K562, A549 cells using db14175 at 1:500.



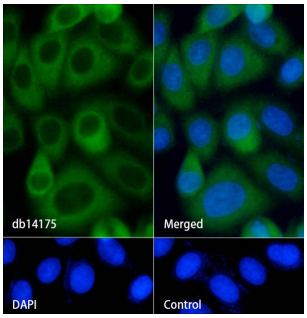
Immunohistochemical analysis of paraffin-embedded human lung cancer using db14175 antibody.



Western blot analysis of extracts from Rat spleen tissue using db14175 at 1:1000.



Western blot analysis of extracts from Mouse spleen tissue using db14175 at 1:1000.



Immunofluorescence analysis of HepG2 cells labelling Heme Oxygenase 1 with db14175.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14175 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.