Recombinant DGRmAb®

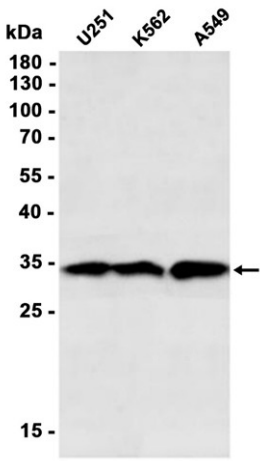
Heme Oxygenase 1 (DGR15440) Rabbit mAb

db14175 **Package : 10μL 20μL 50μL 100μL**

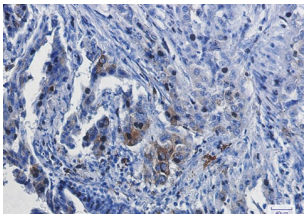
Product Name : Heme Oxygenase 1 (DGR15440) Rabbit mAb
Cat.No.: db14175
Synonyms : HO-1; HSP32; HMOX1D; bK286B10
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:1000 IHC-P: 1:1000-1:10000 ICC/IF: 1:100-1:200 FC: 1:20-1:50 IP: 1:20-1:50
Calculated MW	33 kDa
Observed MW	33 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15440

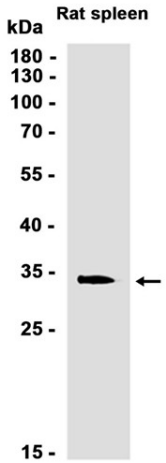
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



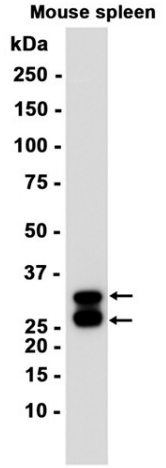
Western blot analysis of extracts from U251, K562, A549 cells using db14175 at 1:500.



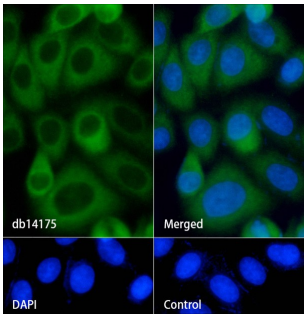
Immunohistochemical analysis of paraffin-embedded human lung cancer using db14175 antibody.



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.