

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

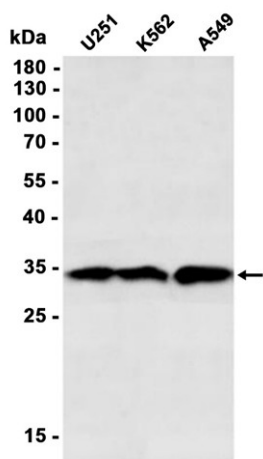
**Purity**

Affinity Purification

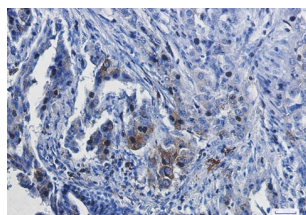
**Conjugation**

Un-conjugated

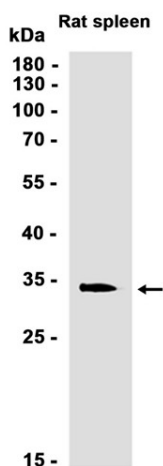
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



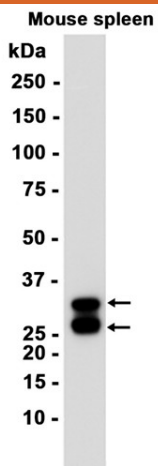
Western blot analysis of extracts from U251, K562, A549 cells using [db14175](#) at 1:500.



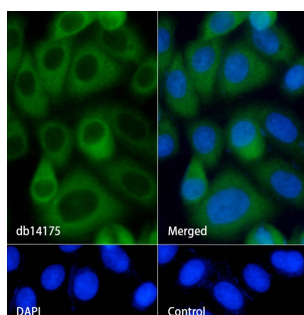
Immunohistochemical analysis of paraffin-embedded human lung cancer using [db14175](#) antibody.



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°C) 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.