

HMOX2 Polyclonal antibody

Catalog Number: 14817-1-AP

6 Publications

Basic Information

Catalog Number:

14817-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6575

GenBank Accession Number:

BC002396

GeneID (NCBI):

3163

UNIPROT ID:

P30519

Full Name:

heme oxygenase (decycling) 2

Calculated MW:

36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, K-562 cells, mouse spleen tissue, Raji cells

IP : Raji cells,

IHC : human lymphoma tissue,

IF : HeLa cells,

Background Information

Heme oxygenase is the rate-limiting enzyme in the heme degradative pathway. There are 2 isozymic forms of heme oxygenase, an inducible heme oxygenase-1 (HMOX1) and a constitutive heme oxygenase-2 (HMOX2). Down-regulation of HMOX2 is associated with the increased expression of HMOX1 in human cell lines. HMOX2 is also named as HO-2 and could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter.

Notable Publications

Author	Pubmed ID	Journal	Application
Katarzyna Magierowska	26460608	PLoS One	WB
Dongqing Guo	26621031	J Cell Sci	WB
Katarzyna Magierowska	32408627	Cells	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

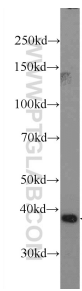
For technical support and original validation data for this product please contact:

T: 4006900926

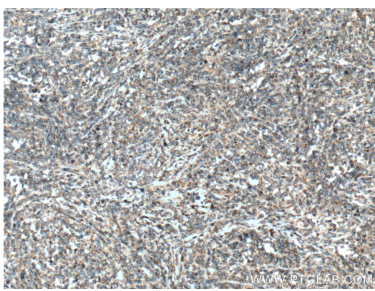
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

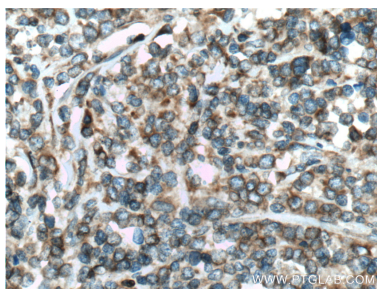
Selected Validation Data



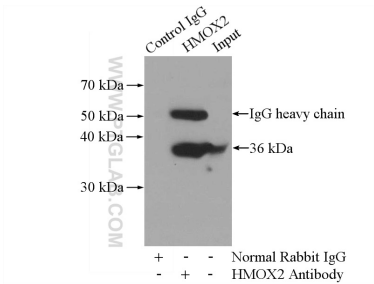
HepG2 cells were subjected to SDS PAGE followed by western blot with 14817-1-AP (HMOX2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



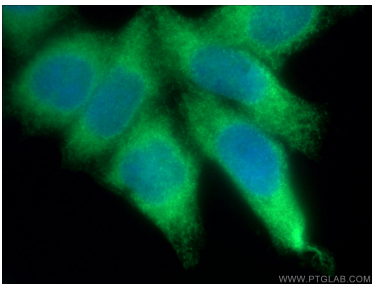
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 14817-1-AP (HMOX2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 14817-1-AP (HMOX2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-HMOX2 (IP:14817-1-AP, 4ug; Detection:14817-1-AP 1:500) with Raji cells lysate 2000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 14817-1-AP (HMOX2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).