

À des fins de recherche uniquement

Anticorps Monoclonal anti-Catalase

Numéro de catalogue: 66765-1-Ig **15 Publications**



Informations de base

Numéro de catalogue: 66765-1-Ig	Numéro d'acquisition GenBank: BC112219	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1500 µg/ml by 847 Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): catalase	CloneNo.: 1F8D7
Hôte: Mouse	MW calculé: 60 kDa	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:100-1:500 IF 1:50-1:500
Isotype: IgG1	MW observés: 60 kDa	
Immunogen Catalog Number: AG16916		

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, WB

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Chèvre, Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules NIH/3T3, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu de cirrhose hépatique humain,

IF : cellules HepG2,

Informations générales

Catalase belongs to the catalase family. CAT occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. CAT promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells. CAT catalyzes the reaction: $2 \text{H}_2\text{O}_2 = \text{O}_2 + 2 \text{H}_2\text{O}$. Defects in CAT are the cause of acatalasia (ACATLAS) which also known as acatalasemia.

Publications notables

Autrice	Pubmed ID	Journal	Application
Qin Li	36410421	Am J Pathol	WB
Jian Xiao	31144242	Sci China Life Sci	
Jing Li	33774368	Theriogenology	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

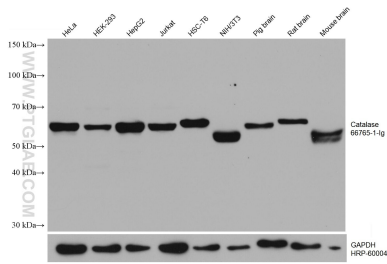
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

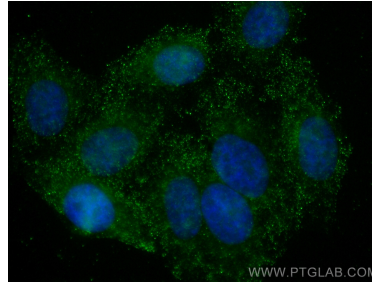
E: proteintech@ptglab.com
W: ptglab.com

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

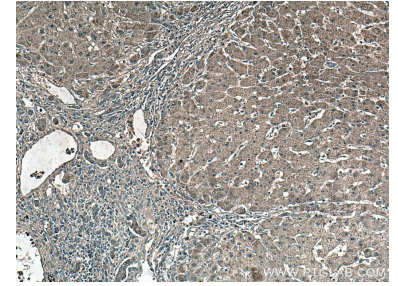
Données de validation sélectionnées



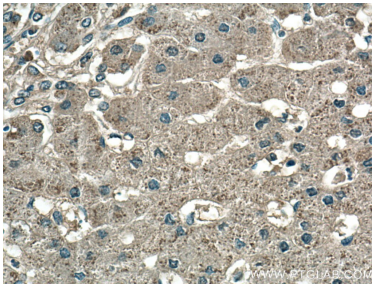
Various lysates were subjected to SDS PAGE followed by western blot with 66765-1-Ig (Catalase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



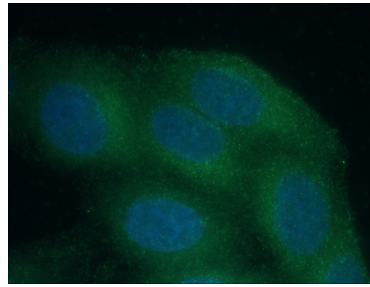
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Catalase antibody (66765-1-Ig, Clone: 1F8D7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



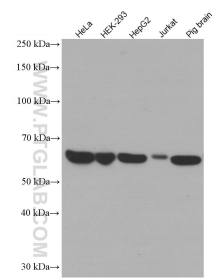
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 66765-1-Ig (Catalase antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 66765-1-Ig (Catalase antibody) at dilution of 1:500 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66765-1-Ig (Catalase antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66765-1-Ig (Catalase antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.