À des fins de recherche uniquement

Anticorps Monoclonal anti-AGO2

Numéro de catalogue:67934-1-Ig Phare 18 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
67934-1-Ig

Taille:
150ul , Concentration: 2000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27772

Numéro d'acquisition GenBank:
BC007633

Identification du gène (NCBI):
27161

Nom complet:
eukaryotic translation initiation factor 2C, 2

MW calculé
97 kDa

MW observés:
90 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1G2H12

Dilutions recommandées:
WB 1:1000-1:5000
IHC 1:200-1:800

Applications

Applications testées:
IHC, WB, ELISA

Demandes citées:
IP, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules 4T1, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules K-562, cellules MCF-7

IHC : tissu de cancer du pancréas humain, tissu de carcinome urothélial humain

Informations générales

EIF2C2, also named as AGO2, belongs to the argonaute family and Ago subfamily. It is required for RNA-mediated gene silencing (RNAi) by the RNA-induced silencing complex (RISC). The 'minimal RISC' appears to include EIF2C2/AGO2 bound to a short guide RNA such as a microRNA (miRNA) or short interfering RNA (siRNA). EIF2C2 may inhibit translation initiation by binding to the 7-methylguanosine cap, thereby preventing the recruitment of the translation initiation factor eIF4-E. It also inhibit translation initiation via interaction with EIF6, which itself binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit. EIF2C2 can also upregulate the translation of specific mRNAs under certain growth conditions.

Publications notables

Autrice	Pubmed ID	Journal	Application
Bingwei Yang	35349355	Environ Health Perspect	RIP
Shaoyan Cheng	35246494	J Immunol	RIP
Ting Peng	35695407	J Med Chem	WB,IP

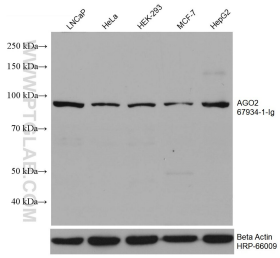
Stockage

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

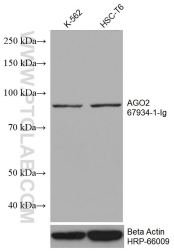
***** Les 20ul contiennent 0,1% de BSA.**

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

Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 67934-1-Ig (AGO2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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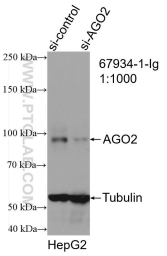
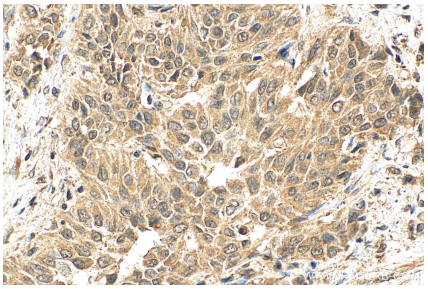
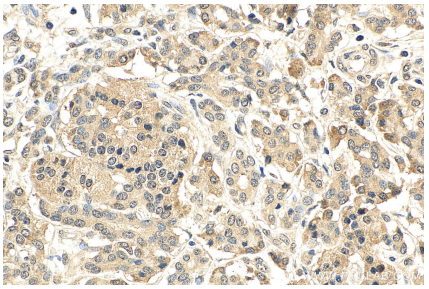


WB result of AGO2 antibody (67934-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AGO2 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 67934-1-Ig (AGO2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 67934-1-Ig (AGO2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).