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HGFA Inhibitor 2/HAI-2 Rabbit mAb

Catalog No.: A28994 Recombinant

Basic Information

Observed MW
28-34 kDa

Calculated MW
22 kDa/28 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC82674

Background

This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:4000 - 1:10000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:100 - 1:400
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
10653

Swiss Prot
O43291

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
PB; Kop; HAI2; DIAR3; HAI-2

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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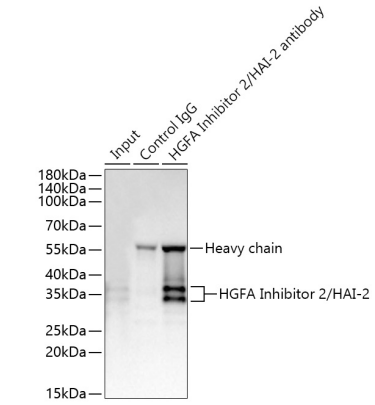
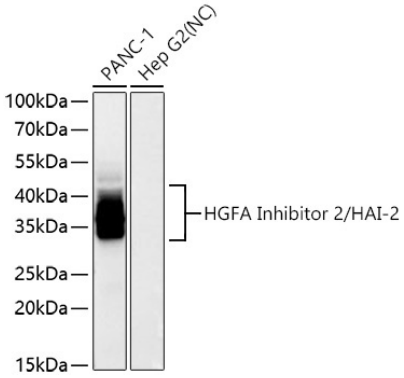
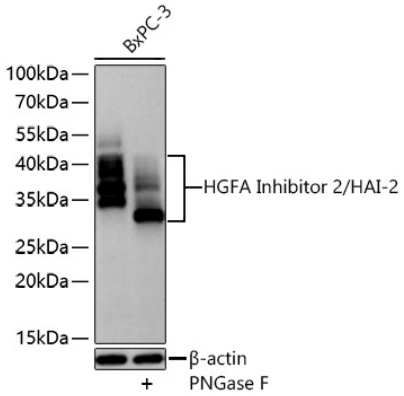
Validation Data



Immunoprecipitation of HGFA Inhibitor 2/HAI-2 from 200 µg extracts of PANC-1 cells was performed using 2 µg of HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994) at a dilution of 1:20000.

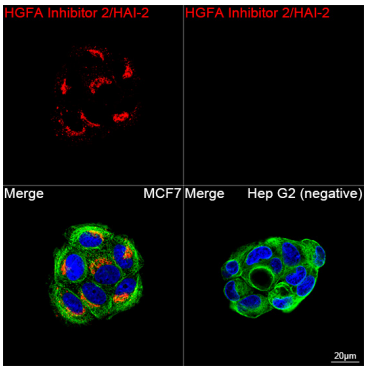


Western blot analysis of various lysates using HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Hep G2.
Exposure time: 90 s.

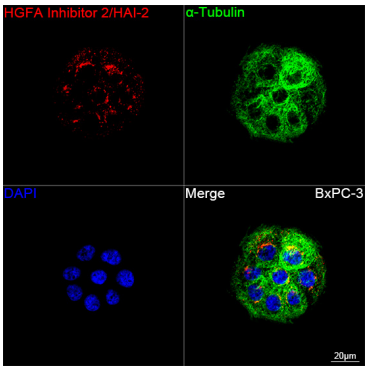


Western blot analysis of various lysates using HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994) at 1:10000 dilution incubated overnight at 4℃. BxPC-3 cells were treated with PNGase F (2 U/µL) at 37℃ for 2 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

Validation Data



Confocal imaging of MCF7 cells and Hep G2 cells (negative) using HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of BxPC-3 cells using HGFA Inhibitor 2/HAI-2 Rabbit mAb (A28994, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.