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[KO Validated] GSDME (Full Length+N terminal) Rabbit mAb

Catalog No.: A28230 KO Validated Recombinant

Basic Information

Observed MW
35 kDa/55 kDa

Calculated MW
11 kDa/35 kDa/55 kDa

Category
Primary antibody

Applications
WB,IP,IHC-P,ELISA

Cross-Reactivity
Human

CloneNo number
ARC77793

Background

Hearing impairment is a heterogeneous condition with over 40 loci described. The protein encoded by this gene is expressed in fetal cochlea, however, its function is not known. Nonsyndromic hearing impairment is associated with a mutation in this gene. Three transcript variants encoding two different isoforms have been found for this gene.

Recommended Dilutions

WB	1:3000 - 1:10000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
IHC-P	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
1687

Swiss Prot
O60443

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
DFNA5; ICERE-1

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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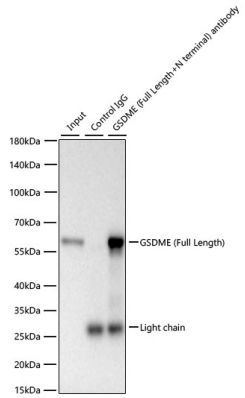
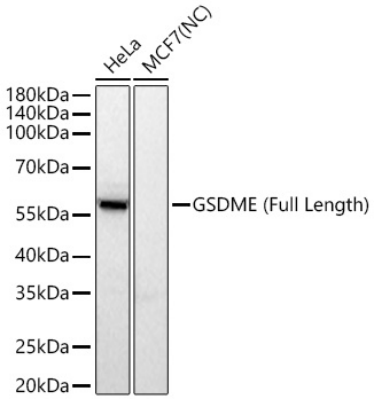
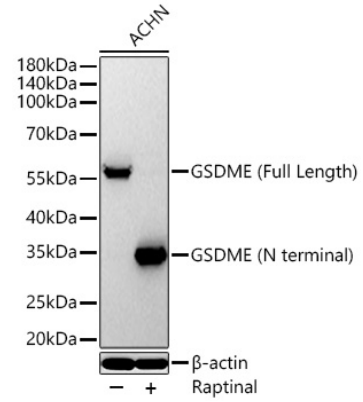
Validation Data



Immunoprecipitation of GSDME from 300 µg extracts of ACHN cells was performed using 0.5 µg of [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at a dilution of 1:1000.

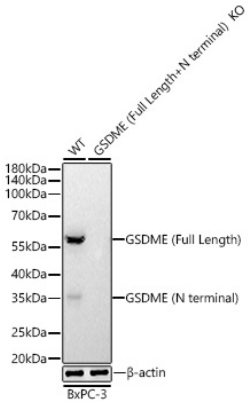


Western blot analysis of various lysates using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): MCF7.
Exposure time: 60 s.

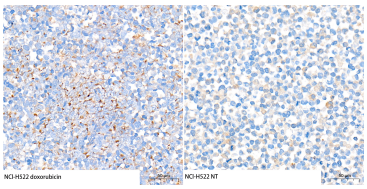


Western blot analysis of lysates from ACHN cells using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at 1:5000 dilution incubated overnight at 4℃. ACHN cells were treated with Raptinal (10 µM) at 37℃ for 1 hour after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat 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: 60 s.

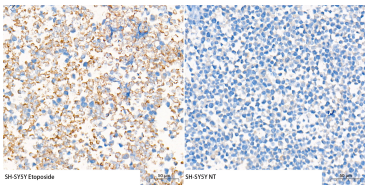
Validation Data



Western blot analysis of lysates from wild type (WT) and GSDME knockout (KO) BxPC-3 cells using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at 1:5000 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).
Exposure time: 90 s.



Immunohistochemistry analysis of paraffin-embedded NCl-H522 cells, doxorubicin-treated (left) and untreated (right), using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded SH-SY5Y cells, etoposide-treated (left) and untreated (right), using [KO Validated] GSDME (Full Length+N terminal) Rabbit mAb (A28230) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.