10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2251

Specification

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	O60443
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 55 kDa; observed, 55 kDa KDa**
Gene Name	**GSDME**
Aliases	**GSDME; Gasdermin E; ICERE-1; DFNA5; Inversely Correlated With Estrogen Receptor Expression 1; DFNA5, Deafness Associated Tumor Suppressor; Non-Syndromic Hearing Impairment Protein 5; Gasdermin-E; Inversely Correlated With Estrogen Receptor Expression; Nonsyndromic Hearing Impairment Protein; Deafness, Autosomal Dominant 5; ICERE1**
Immunogen	**Recombinant protein of human GSDME**

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody - Additional Information

Gene ID	**1687**

Other Names
Gasdermin-E, Inversely correlated with estrogen receptor expression 1, ICERE-1, Non-syndromic hearing impairment protein 5, Gasdermin-E, N-terminal, GSDME-NT, Gasdermin-E, C-terminal, GSDME-CT, GSDME {ECO:0000303|PubMed:28459430, ECO:0000312|HGNC:HGNC:2810}

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody - Protein Information

Name GSDME {ECO:0000303|PubMed:28459430, ECO:0000312|HGNC:HGNC:2810}

Function
[Gasdermin-E]: Precursor of a pore-forming protein that converts non-inflammatory apoptosis to pyroptosis (PubMed:27281216, PubMed:28459430, PubMed:33852854, PubMed:35594856, PubMed:36607699). This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-E, N-terminal) binds to membranes and forms pores, triggering pyroptosis (PubMed:28459430).

Cellular Location
[Gasdermin-E, N-terminal]: Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q5Y4Y6}

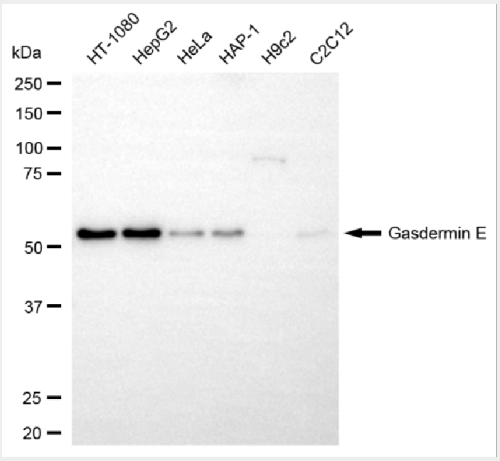
Tissue Location
Expressed in cochlea (PubMed:9771715). Low level of expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas, with highest expression in placenta (PubMed:9771715).

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody - Protocols

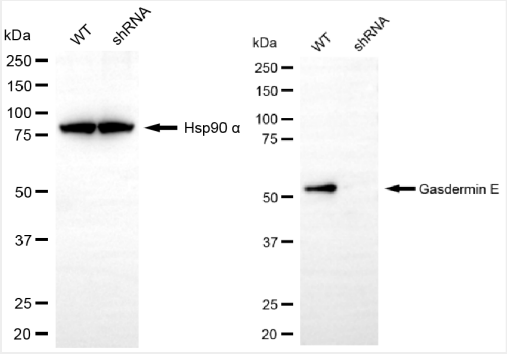
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-GSDME Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-gasdermin E antibody (Cat#AGI2251). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-gasdermin E antibody (Cat#AGI2251, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Western blotting analysis using anti-gasdermin E antibody (Cat#AGI2251). Gasdermin E expression in wild-type (WT) and gasdermin E (GSDME) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-gasdermin E antibody (Cat#AGI2251, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.