

Rabbit Anti-GSDMA/AF350 Conjugated antibody

SL16331R-AF350

Product Name	Anti-GSDMA/AF350
Chinese Name	AF350 标记的 gasdermin 蛋白抗体
Alias	FKSG9; Gasdermin 1; Gasdermin A; GSDM; GSDMA_HUMAN; GSDM1.
Research Area	Tumour Cell biology Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Dog,Cow,Horse) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	49kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GSDMA
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: Gasdermin is a 445 amino acid protein that localizes to the perinuclear region of the cytoplasm and belongs to the gasdermin family. Expressed predominately in tissues of the gastrointestinal tract and also present in skin and mammary gland, gasdermin functions to induce apoptosis and is thought to possess tumor suppression activity, specifically in gastric cancer cells. The gene encoding gasdermin maps to human chromosome 17, which comprises

over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Function:

GSDMA induces apoptosis.

Subcellular Location:

Cytoplasm, perinuclear region

Tissue Specificity:

Expressed predominantly in the gastrointestinal tract and in the skin at a lower level. Also detected in mammary gland. Detected in mucus-secreting pit cells of the gastric epithelium. Not expressed in gastric cancer cells.

Similarity:

Belongs to the gasdermin family.

Database links:

[Entrez Gene: 284110](#) Human

[Entrez Gene: 57911](#) Mouse

[Omim: 611218](#) Human

[SwissProt: Q96QA5](#) Human

[SwissProt: Q9EST1](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.