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Datasheet for ABIN1713697  
**anti-AHNAK antibody (AA 1351-1450)**

### Overview

Quantity:	100 µL
Target:	AHNAK
Binding Specificity:	AA 1351-1450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHNAK antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AHNAK
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

### Target Details

Target:	AHNAK
Alternative Name:	AHNAK ( <a href="#">AHNAK Products</a> )

## Target Details

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**Background:** Synonyms: AHNAK, AHNAK nucleoprotein desmoyokin, AHNAKRS, AHNK\_HUMAN, Desmoyokin, Fragments, MGC5395, Neuroblast differentiation associated protein AHNAK, Neuroblast differentiation-associated protein AHNAK, PM227.

Background: AHNAK is a 5,890 amino acid protein encoded by the human gene AHNAK. The intronless AHNAK gene is located on human chromosome 11q12 and has three main structural regions: the 251 amino acid N-terminus, a large central region of 4390 amino acids with multiple repeated units of about 128 amino acids in length, and the 1002 amino acid C-terminus. The central region seems to have antiparallel beta-strands connected by intervening loops. Several putative regulatory elements are clustered within the C-terminal region, including nuclear export localization signals, a leucine zipper, and potential phosphorylation sites for Akt1 and PKC. AHNAK is believed to be an important signalling molecule involved in a wide range of physiological activities and may be required for neuronal cell differentiation.. AHNAK also appears to influence b-adrenergic regulation of cardiac L-type Ca<sup>2+</sup> channel function.

## Application Details

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**Application Notes:** ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months