

# AIM2 (A78) polyclonal antibody

Catalog: BS2393

Host: Rabbit

Reactivity: Human

## **BackGround:**

Interferon-inducible protein AIM2 (absent in melanoma 2) is a 343 amino acid protein belonging to the HIN-200 family. Induced by IFN- $\gamma$ , AIM2 is thought to act as a tumor suppressor by repressing NF $\kappa$ B transcriptional activity. Localized to the nucleus, AIM2 contains one DAPIN domain and one HIN-200 domain. The DAPIN domain is composed mostly of  $\alpha$ -helixes and is a protein-protein interaction domain capable of binding other DAPIN domains. The HIN-200 domain has been shown to bind directly to DNA, which, along with the binding of another protein ASC, results in the activation of caspase-1. AIM2 is present as a homodimer and is expressed highly in small intestine, testis, peripheral blood leukocytes and spleen. Defects in AIM2 are believed to be a cause of microsatellite unstable colon cancers.

### **Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## **Molecular Weight:**

~ 39 kDa

**Swiss-Prot:** 

O14862

### **Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:** 

WB: 1:500~1:1000

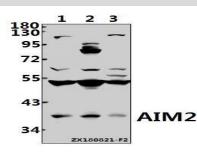
**Storage&Stability:** 

Store at  $4 \,^{\circ}{\rm C}$  short term. Aliquot and store at  $-20 \,^{\circ}{\rm C}$  long term. Avoid freeze-thaw cycles.

### **Specificity:**

AIM2 (A78) polyclonal antibody detects endogenous levels of AIM2 protein.

#### **DATA:**



Western blot (WB) analysis of AIM2 (A78) pAb at 1:500 dilution Lane1:K562 whole cell lysate(40ug) Lane2:HCT116 whole cell lysate(40ug) Lane3:SGC7901 whole cell lysate(40ug)

## Note:

For research use only, not for use in diagnostic procedure.

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