

AIM2 Antibody

Catalog No: #36253

Package Size: #36253 100ul

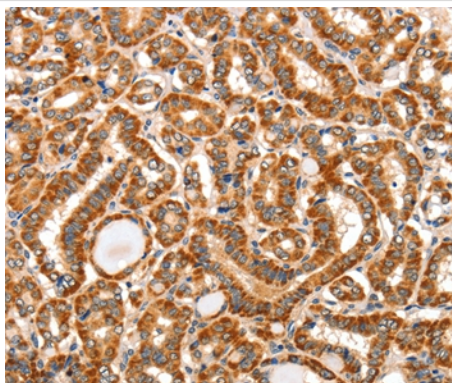
Description

Product Name	AIM2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total AIM2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human absent in melanoma 2
Conjugates	Unconjugated
Target Name	AIM2
Other Names	PYHIN4
Accession No.	Swiss-Prot#: O14862NCBI Gene ID: 9447Gene Accssion: BC010940
Concentration	3.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

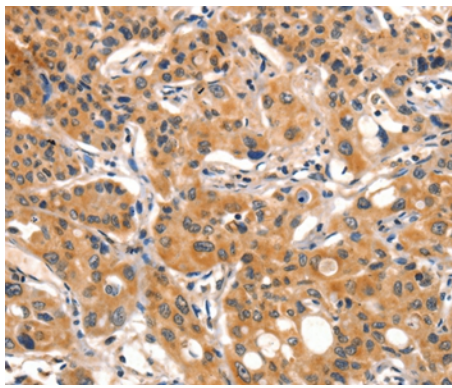
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36253 at dilution 1/60.



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36253 at dilution 1/60.

Background

Interferon-inducible protein AIM2 (Absent in melanoma 2) is a 343 amino acid protein belonging to the HIN-200 family. Induced by IFN- γ , AIM2 is thought to act as a tumor suppressor by repressing NF- κ B transcriptional activity. Localized to the nucleus, AIM2 contains one DAPIN domain and one HIN-200 domain. The DAPIN domain is composed mostly of α -helices 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.

Published Papers

et al., Pan-cancer analysis of AIM2 inflammasomes with potential implications for immunotherapy in human cancer: A bulk omics research and single cell sequencing validation.. In Front Immunol on 2022 Sep 29 by Yan Qin, Liuxian Pan, et al.. PMID: 36248785, (2022)

[PMID:36248785](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.