

Datasheet for ABIN4956353
anti-Calprotectin antibody

2 Images

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Overview

Quantity:	100 µg
Target:	Calprotectin (S100A8/A9)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), ELISA, Western Blotting (WB)

Product Details

Immunogen:	human recombinant protein
Clone:	69-6-1
Isotype:	IgG2b
Cross-Reactivity:	Human
Purification:	purified

Target Details

Target:	Calprotectin (S100A8/A9)
Alternative Name:	calprotectin- S100A8/A9 complex (S100A8/A9 Products)
Background:	Calprotectin is a functional heterocomplex of small EF hand calcium-binding proteins S100A8 and S100A9. The heterocomplex is expressed in various cells and tissues and induced upon inflammation. The complex is released by neutrophilic granulocytes in inflammatory disorders such as inflammatory bowel disease and rheumatoid arthritis. Released Calprotectin serves as

Target Details

a leukocyte chemoattractant and modulates inflammation via damage receptors. Via it's binding to the receptor of advanced glycation end-products (RAGE), calprotectin is implicated in chronic inflammatory conditions.

Molecular Weight: 45 kDa

Pathways: [S100 Proteins](#)

Application Details

Application Notes: Dilution: WB 1:1000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 1 mL deionized water

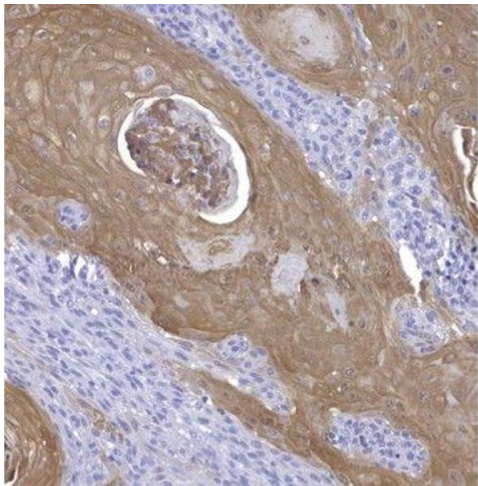
Buffer: PBS, pH 7.23

Preservative: Sodium azide

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

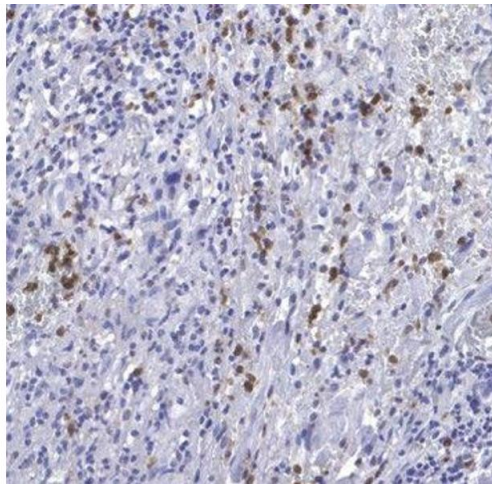
Storage: 4 °C/-20 °C

Images



Immunohistochemistry

Image 1. Calprotectin positive tumor cells in squamous cell carcinoma..



Immunohistochemistry

Image 2. Calprotectin positive cells in tumor stroma.