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Datasheet for ABIN655727

anti-s100a4 antibody (N-Term)

2 Images

Overview

Quantity:	400 µL
Target:	s100a4 (S100A4)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This s100a4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This S100A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human S100A4.
Clone:	RB19138
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	s100a4 (S100A4)
Alternative Name:	S100A4 (S100A4 Products)

Target Details

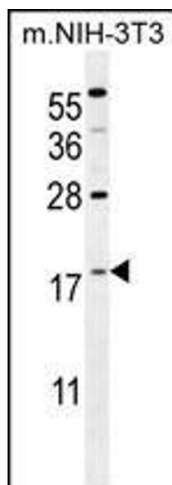
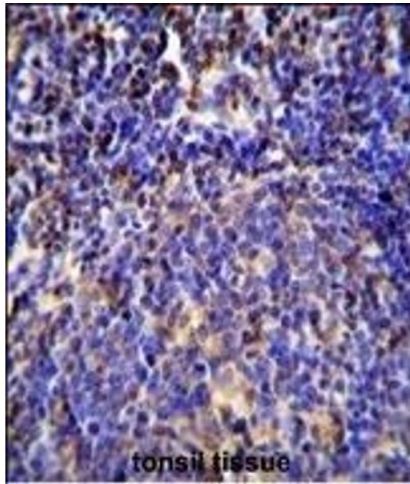
Background:	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Weight:	11729
Gene ID:	6275
NCBI Accession:	NP_002952 , NP_062427
UniProt:	P26447
Pathways:	S100 Proteins

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. S100A4 Antibody (N-term) (ABIN655727 and ABIN2845174) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of S100A4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. S100A4 Antibody (N-term) (ABIN655727 and ABIN2845174) western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane). This demonstrates the S100A4 antibody detected the S100A4 protein (arrow).