



Datasheet for ABIN969121
anti-ETV4 antibody (AA 50-109)



[Go to Product page](#)

2 Images

3 Publications

Overview

Quantity:	100 µL
Target:	ETV4
Binding Specificity:	AA 50-109
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human ETV4 (aa50-109) expressed in E. coli.
Clone:	1A2G3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ETV4
Alternative Name:	ETV4 (ETV4 Products)
Background:	Description: ETV4: ets variant gene 4 (E1A enhancer binding protein, E1AF), also known as PEA3. Several members of the Ets gene family are known to encode sequencespecific DNA binding proteins. These include mouse PU.1, mouse and human Ets-1, Drosophila E74, chicken and human Ets-2 and rat GABP-α. Each of these proteins recognizes similar motifs in DNA that

Target Details

share a centrally located 5'-GGAA-3' element. For instance, PEA3 binds the motif 5'-AGGAAG-3' (the PEA-3 motif), but does not bind to the sequence 5'-AGGAAC-3', recognized by PU.1, although PU.1 binds equally well to both sequences. It appears that all of the Ets proteins recognize the same central core sequence but that each protein interacts with unique sequences that flank this core. PEA3 is expressed at readily detectable levels in cells of epithelial and fibroblastic origin but is not expressed in hematopoietic cells. This is in contrast to other members of the Ets gene family, such as Ets-1, Ets-2 and Fli-1, each of which is expressed primarily in cells of hematopoietic origin.

Aliases: HGK, NIK, PEA3

Molecular Weight:	54 kDa
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Gene ID:	2118
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HGNC:	2118
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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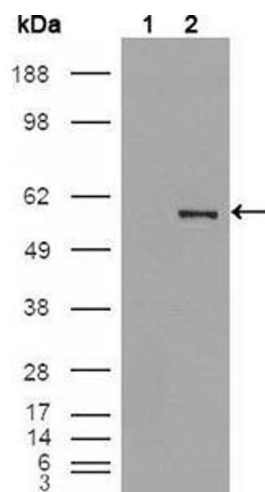
Storage Comment:	4°C, -20°C for long term storage
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Publications

Product cited in:	Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: The Journal of biological chemistry , Vol. 283, Issue 52, pp. 36311-20, (2008) (PubMed).
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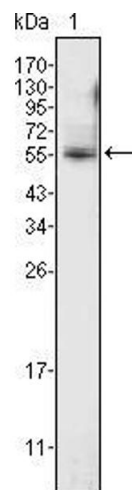
Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis using ETV4 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY ETV4 cDNA (2).



Western Blotting

Image 2. Western blot analysis using ETV4 mouse mAb against K562 cell lysate (1).