abcam

ab154810

Anti-ETV3 antibody [EPR8658]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR8658
Purification technique	Affinity purification Protein A
Concentration	0.149 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/10 - 1/100
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information ETV3

Function	Transcriptional repressor that contribute to growth arrest during terminal macrophage differentiation by repressing target genes involved in Ras-dependent proliferation. Represses MMP1 promoter activity.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	ETV3 also known as ETS Variant 3 functions as a transcriptional repressor. The protein has a mass of approximately 61 kDa. It is expressed in multiple tissues including skin liver and immune cells. The presence of ETV3 is important for regulating gene expression as it can bind to specific DNA sequences and inhibit transcription of target genes. This ability allows ETV3 to maintain control over cellular processes such as proliferation and differentiation.
Biological function summary	The functionality of ETV3 extends to modulation of immune responses and cellular development. ETV3 along with other transcription factors forms parts of multi-protein complexes. Its role in these complexes involves the repression of gene activity directly influencing cell cycle progression and immune system activity. ETV3’s expression and interactions suggest it coordinates with other molecules to maintain homeostasis and appropriate cellular functions.
Pathways	ETV3 integrates into two main biological pathways: the MAPK signaling pathway and immune response regulation. Within the MAPK pathway ETV3 interacts with proteins such as ERK influencing cell survival and differentiation outcomes. Meanwhile it connects in immune pathways by modulating activity of other transcription factors impacting immune cell behaviors and responses.
Associated diseases and disorders	ETV3 plays a role in conditions like skin cancer and immune system diseases. Aberrant expression or mutation of ETV3 correlates with melanoma development where disrupted regulation contributes to abnormal cell proliferation. Its interactions with proteins such as MITF are particularly relevant in melanoma. Additionally ETV3's role in immune modulation can influence autoimmune disorders where dysregulation leads to improper immune activation or repression.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

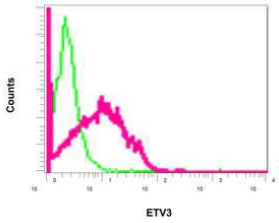
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

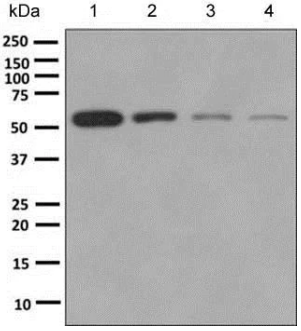
2 product images



Flow Cytometry (Intracellular) - Anti-ETV3 antibody [EPR8658] (ab154810)

ETV3 Flow Cytometry (Intracellular) staining using rabbit Anti-ETV3 antibody

Intracellular flow cytometric analysis of permeabilized Hela cells labeling ETV3 with ab154810 at 1/10 dilution (red) or a negative rabbit IgG (control) (green).



Western blot - Anti-ETV3 antibody [EPR8658] (ab154810)

All lanes:
Western blot - Anti-ETV3 antibody [EPR8658] (ab154810) at 1/10000 dilution

Lane 1:
HepG2 lysate at 10 µg

Lane 2:
HeLa lysate at 10 µg

Lane 3:
SHSY5Y lysate at 10 µg

Lane 4:
U937 lysate at 10 µg

Predicted band size: 57 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.