Product datasheet

Anti-ER81/ETV1 antibody ab184120

Overview

Product name: Anti-ER81/ETV1 antibody
Description: Rabbit polyclonal to ER81/ETV1
Host species: Rabbit
Tested applications: Suitable for: IHC-Fr, WB, ICC/IF
Species reactivity: Reacts with: Mouse, Rat, Human
Predicted to work with: Chimpanzee
Immunogen: Recombinant fragment within Human ER81/ETV1 aa 65-235. The exact sequence is proprietary.
Database link: P50549
Positive control: WB: GL261, C8D30, A431 and HeLa whole cell lysate (ab150035); Rat2 whole cell extract.
ICC/IF: C8D30 cells. IHC-Fr: Mouse cerbellum tissue.

Properties

Form: Liquid
Storage buffer: pH: 7.00
Preservative: 0.025% Proclin
 Constituents: 20% Glycerol, 79% PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab184120 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>IHC-Fr</td>
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<td>1/100 - 1/1000.</td>
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**Function**
Transcriptional activator that binds to DNA sequences containing the consensus pentanucleotide 5'-CGGA[AT]-3'.

**Tissue specificity**
Very highly expressed in brain, highly expressed in testis, lung and heart, moderately in spleen, small intestine, pancreas and colon, weakly in liver, prostate and thymus, very weakly in skeletal muscle, kidney and ovary and not in placenta and peripheral blood leukocytes.

**Involvement in disease**
Defects in ETV1 are a cause of Ewing sarcoma (ES) [MIM:612219]. A highly malignant, metastatic, primitive small round cell tumor of bone and soft tissue that affects children and adolescents. It belongs to the Ewing sarcoma family of tumors, a group of morphologically heterogeneous neoplasms that share the same cytogenetic features. They are considered neural tumors derived from cells of the neural crest. Ewing sarcoma represents the less differentiated form of the tumors. Note=A chromosomal aberration involving ETV1 is found in patients with Erwing sarcoma. Translocation t(7;22)(p22;q12) with EWSR1.

**Sequence similarities**
Belongs to the ETS family.
Contains 1 ETS DNA-binding domain.

**Post-translational modifications**
Sumoylated.

**Cellular localization**
Nucleus.

### Images

**All lanes** : Anti-ER81/ETV1 antibody (ab184120) at 1/1000 dilution

- **Lane 1** : A431 whole cell lysate
- **Lane 2** : HeLa whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size**: 55 kDa

**Western blot - Anti-ER81/ETV1 antibody (ab184120)**
Western blot - Anti-ER81/ETV1 antibody (ab184120)

Anti-ER81/ETV1 antibody (ab184120) at 1/500 dilution + Rat2 whole cell extract at 30 µg

**Secondary**

HRP-conjugated anti-rabbit IgG

**Predicted band size:** 55 kDa

10% SDS-PAGE.

Immunofluorescence analysis of paraformaldehyde-fixed C8D30 cells, staining ER82 (green) with ab184120 at 1/500 dilution. Nuclei were stained with Hoechst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-ER81/ETV1 antibody (ab184120)

**All lanes:** Anti-ER81/ETV1 antibody (ab184120) at 1/1000 dilution

Lane 1: GL261 whole cell lysate
Lane 2: C8D30 whole cell lysate

**Predicted band size:** 55 kDa
Mouse cerebellum tissue frozen section stained for ER81/ETV1 using ab184120 at 1/250 dilution (green) in immunohistochemical analysis.

Red: NF-H, stained by NF-H antibody at 1/500 dilution.
Blue: DAPI.

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