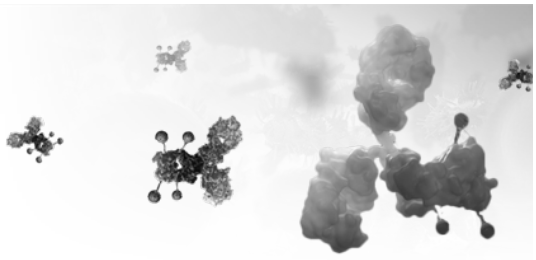

Anti-ETV1 polyclonal antibody (DPAB-DC911)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the ETS (E twenty-six) family of transcription factors. The ETS proteins regulate many target genes that modulate biological processes like cell growth, angiogenesis, migration, proliferation and differentiation. All ETS proteins contain an ETS DNA-binding domain that binds to DNA sequences containing the consensus 5-CGGA[AT]-3. The protein encoded by this gene contains a conserved short acidic transactivation domain (TAD) in the N-terminal region, in addition to the ETS DNA-binding domain in the C-terminal region. This gene is involved in chromosomal translocations, which result in multiple fusion proteins including EWS-ETV1 in Erwing sarcoma and at least 10 ETV1 partners (see PMID: 19657377, Table 1) in prostate cancer. In addition to chromosomal rearrangement, this gene is overexpressed in prostate cancer, melanoma and gastrointestinal stromal tumor. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	A synthetic peptide corresponding to human ETV1. The sequence is PLKIKKEPHSPCSE
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

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Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ETV1 ets variant 1 [Homo sapiens (human)]
Official Symbol	ETV1
Synonyms	ETV1; ets variant 1; ER81; ETS translocation variant 1; ets variant gene 1; ets-related protein 81;
Entrez Gene ID	2115
Protein Refseq	NP_001156619
UniProt ID	P50549
Chromosome Location	7p21.3
Pathway	Transcriptional misregulation in cancer;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; protein binding; s

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