

Product datasheet for **AP20524PU-N**

ER81 (ETV1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of ER81 protein. (region surrounding asn23)
Formulation:	Phosphate buffered saline (PBS) with 0.02% sodium azide, 20% glycerol, pH7.2 State: Aff - Purified State: Liquid purified Ig fraction. Synthetic peptide ER81. (Note: the amino acid sequence is proprietary). The purity is > 95%. Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml in DI water
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 60 kDa
Gene Name:	ETS variant 1
Database Link:	Entrez Gene 14009 Mouse Entrez Gene 362733 Rat Entrez Gene 2115 Human P50549



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Background:

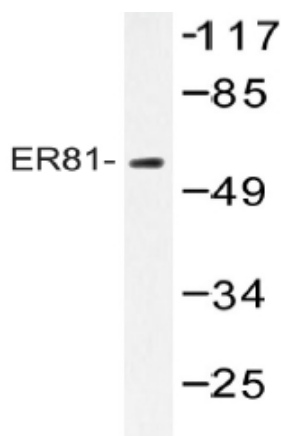
Several members of the Ets gene family encode sequence-specific DNA binding proteins that recognize DNA sequences with a centrally located 5'-GGAA-3' element. All of the Ets proteins recognize the same central core sequence but each protein interacts with unique sequences that flank this core. ER81 (also designated ETV1) binds the motif 5'-CGGAA/T-3'. ER81 is highly expressed in brain, testis, lung and heart. ER81 is also moderately expressed in spleen, pancreas, colon and small intestine. During development, ER81 displays a unique expression patterns which suggests that this transcriptional factor might play an important role in organogenesis. ERK-1 activates ER81 transcriptional activity while MAPKAP kinase 2 inhibits ER81.

Synonyms:

ETS translocation variant 1, Ets-related protein 81

Protein Families:

ES Cell Differentiation/IPS, Transcription Factors

Product images:

Western blot analysis of ER81 Antibody (Cat.-No.: AP20524PU-N) in extracts from HUVEC cells treated with PMA (125ng).