

Rabbit ESE1 Polyclonal Antibody | anti-ELF3 antibody

ESE1 Antibody

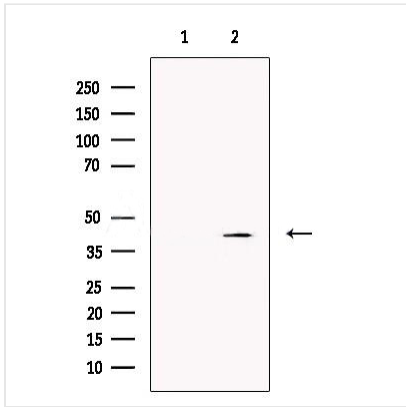
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329077	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%)	ELISA

PRODUCT SYNONYMS

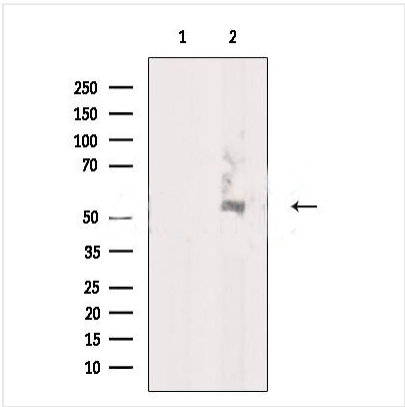
ESE1; Polyclonal Antibody; ESE1 Antibody; E74 like factor 3; E74 like factor 3 ets domain transcription factor; E74 like factor 3 ets domain transcription factor epithelial specific; E74 like factor 3 ETS domain transcription factor serine box epithelial specific; E74-like factor 3; Elf3; ELF3_HUMAN; Epithelial restricted with serine box; Epithelial-restricted with serine box; Epithelium restricted Ets protein ESX; Epithelium specific Ets factor 1; Epithelium specific Ets transcription factor 1; Epithelium-restricted Ets protein ESX; Epithelium-specific Ets transcription factor 1; EPR 1; EPR1; ERT; ESE-1; ESX; Ets domain transcription factor serine box; Ets domain transcription factor serine box epithelial specific; Ets transcription factor; ETS-related transcription factor Elf-3; jen; MGC139318; anti-ELF3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	ESE1 Antibody detects endogenous levels of total ESE1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	371
Applicable Applications for anti-ELF3 antibody	ELISA
Immunogen	A synthesized peptide derived from human ESE1
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A431 cells, using ESE1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from DU145 cells, using ESE1 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ELF3 antibody	Function: Transcriptional activator that binds and transactivates ETS sequences containing the consensus nucleotide core sequence GGA[AT]. Acts synergistically with POU2F3 to transactivate the SPRR2A promoter and with RUNX1 to transactivate the ANGPT1 promoter. Also transactivates collagenase, CCL20, CLND7, FLG, KRT8, NOS2, PTGS2, SPRR2B, TGFB2 and TGM3 promoters. Represses KRT4 promoter activity. Involved in mediating vascular inflammation. May play an important role in epithelial cell differentiation and tumorigenesis. May be a critical downstream effector of the ERBB2 signaling pathway. May be associated with mammary gland development and involution. Plays an important role in the regulation of transcription with TATA-less promoters in preimplantation embryos, which is essential in preimplantation development (By similarity).
	Subcellular Location: Cytoplasm. Nucleus. Note: Localizes to the cytoplasm where it has been shown to transform MCF-12A mammary epithelial cells via a novel cytoplasmic mechanism. Also transiently expressed and localized to the nucleus where it induces apoptosis in non-transformed breast epithelial cells MCF-10A and MCF-12A via a transcription-dependent mechanism.
	Tissue Specificity: Expressed exclusively in tissues containing a high content of terminally differentiated epithelial cells including mammary gland, colon, trachea, kidney, prostate, uterus, stomach and skin.
	Subunit Structure: Interacts with TBP. Interacts with CREBBP and EP300; these act as transcriptional coactivators of ELF3 and positively modulate its function. Interacts with XRCC5/KU86 and XRCC6/KU70; these inhibit the ability of ELF3 to bind DNA and negatively modulate its transcriptional activity. Associated with CLND7 and POU2F3.
	Similarity: the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.Belongs to the ETS family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167235023
NCBI GeneID	1999
NCBI Accession #	NP_004424.3
NCBI GenBank Nucleotide #	NP_004424.3
UniProt Accession #	P78545
Molecular Weight	Observed Molecular Weight: (Observed)42kD, 55kD. Predicted Molecular Weight: (Calculated)41kDa.
NCBI Official Full Name	ETS-related transcription factor Elf-3
NCBI Official Synonym Full Names	E74 like ETS transcription factor 3

NCBI Official Symbol	ELF3
NCBI Official Synonym Symbols	ERT; ESX; EPR-1; ESE-1
NCBI Protein Information	ETS-related transcription factor Elf-3
UniProt Protein Name	ETS-related transcription factor Elf-3
UniProt Gene Name	ELF3
UniProt Synonym Gene Names	ESE-1
UniProt Entry Name	ELF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/e1-antibody-elisa/329077>