

Anti-ESE1/ELF3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

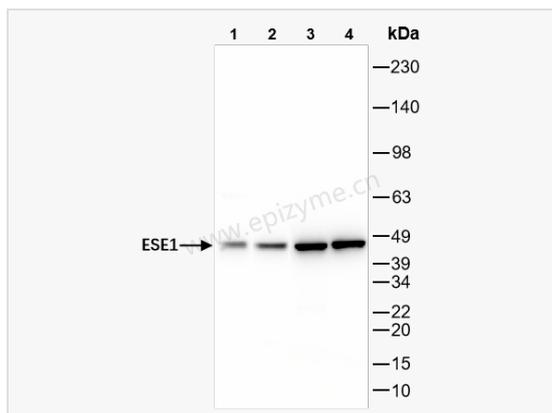
Catalog # R015874

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	77S03L74
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ESE1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ESE1/ELF3 Rabbit mAb [77S03L74] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ERT; ESX; JEN; ELF3; ETS-related transcription factor Elf-3; E74-like factor 3; Epithelial-restricted with serine box; Epithelium-restricted Ets protein ESX; Epithelium-specific Ets transcription factor 1; ESE-1.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 47 kDa
Uniprot ID	P78545
Gene ID	1999
Background	Enables DNA-binding transcription activator activity, RNA polymerase II-specific and sequence-specific double-stranded DNA binding activity. Involved in inflammatory response; negative regulation of DNA-templated transcription; and positive regulation of transcription by RNA polymerase II. Located in Golgi apparatus; cytosol; and nucleoplasm. [provided by Alliance of Genome Resources, Jul 2025]
Cellular Location	Cytoplasm.Nucleus.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 Location	Expressed exclusively in tissues containing a high content of terminally differentiated epithelial cells including mammary gland, colon, trachea, kidney, prostate, uterus, stomach and skin.



Western Blot - Anti-ESE1/ELF3 Rabbit mAb [77S03L74]

All lanes: R015874 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: Mouse heart whole tissue lysates

Lane 4: Mouse liver whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 41 kDa

Observed band size: 47 kDa

Developed using the ECL technique (Cat. No. SQ201).