

# Epithelial Stromal Interaction 1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58462

## Product Information

---

<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q96J88</a>
<b>Reactivity</b>	Rat, Pig, Dog
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	36793
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Epsti1
<b>Epitope Specificity</b>	131-230/410
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Highly expressed in placenta, small intestine, spleen, kidney, thymus, liver, salivary gland and testes. Weakly expressed in breast, skeletal muscle and colon. Highly expressed in breast cancer upon interaction between tumor cells and stromal cells in vitro. Expressed in blood mononuclear cells from patients with systemic lupus erythematosus (SLE).

## Additional Information

---

<b>Gene ID</b>	94240
<b>Other Names</b>	Epithelial-stromal interaction protein 1, EPSTI1
<b>Target/Specificity</b>	Highly expressed in placenta, small intestine, spleen, kidney, thymus, liver, salivary gland and testes. Weakly expressed in breast, skeletal muscle and colon. Highly expressed in breast cancer upon interaction between tumor cells and stromal cells in vitro. Expressed in blood mononuclear cells from patients with systemic lupus erythematosus (SLE).
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

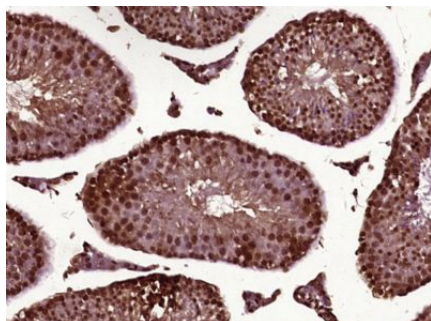
## Protein Information

---

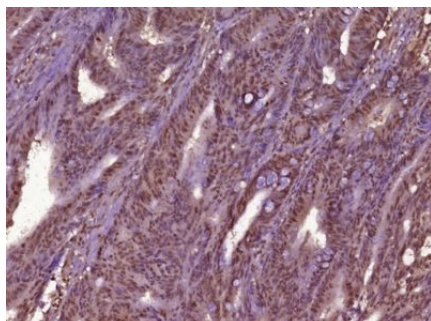
<b>Name</b>	EPSTI1
<b>Function</b>	Plays a role in M1 macrophage polarization and is required for the proper regulation of gene expression during M1 versus M2 macrophage differentiation (By similarity). Might play a role in RELA/p65 and STAT1 phosphorylation and nuclear localization upon activation of macrophages (By similarity).
<b>Tissue Location</b>	Highly expressed in placenta, small intestine, spleen, kidney, thymus, liver, salivary gland and testes. Weakly expressed in breast, skeletal muscle and colon. Highly expressed in breast cancer upon interaction between tumor cells and stromal cells in vitro. Expressed in blood mononuclear cells from patients with systemic lupus erythematosus (SLE).

## Images

---



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Epithelial Stromal Interaction 1) Polyclonal Antibody, Unconjugated (AP58462) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Epithelial Stromal Interaction 1) Polyclonal Antibody, Unconjugated (AP58462) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.