

## Anti-ESE-1 Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 34005

**Size:** 100 ug IgG in 100 ul (1 mg/ml) PBS.

### BACKGROUND

Epithelium-specific gene regulation plays a critical role during embryogenesis, and the epithelial cell lineage is the first differentiated cell type to appear after fertilization. Until recently, very few epithelial cell-restricted transcription factors had been described. Members of the *ets* transcription factor/oncogene family have been implicated in human carcinogenesis following the discovery of several distinct chromosomal translocations involving members of the *ets* family in different types of cancer. *ets* factors play key roles in transcriptional control of stringently regulated genes, such as genes involved in tissue development, differentiation, angiogenesis, cell cycle control and cell proliferation. ESE-1 is the first member of the *ets* family that was found to be exclusively expressed and inducible in epithelial cells.

### SPECIFICATION SUMMARY

**Antigen:** N-terminal sequence MAATCEISNIFSNYFS and C-terminal sequence SSGWKEEEVLQSRN of human ESE-1 protein.

**Host Species:** Rabbit

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes human ESE-1 (39-41 kD).

### APPLICATIONS

*Immunoblotting:* use at 1:500-1:1,000 dilution.

*ELISA:* use at 1:1,000-1:5,000 dilution.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*