

## Monoclonal Antibody to Rat Estrogen Sulfotransferase

<b>Catalog No.:</b>	DM3081
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	EST.1
<b>Immunogen:</b>	Purified Rat Liver Estrogen Sulfotransferase.
<b>Applications:</b>	Immunofluorescence. Western Blotting. Immunohistology (Formalin/paraffin): Ab. 2-4 µg/ml 30 Min. RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Recommended positive control: Rat Liver. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Mammalian EST sulfurylates the hydroxyl group of estrogenic steroids by transferring the sulfate from a cosubstrate adenosine 3-phosphate-5-phosphosulfate. Sulfurylated steroids do not bind to the estrogen receptor with high affinity and, therefore, are hormonally inactive. EST plays an important role in controlling the intracellular level of the receptor-active estrogens. Cellular Localization: Cytoplasmic with some Nuclear.
	Mol. Wt. of Antigen: ~31kD
<b>Storage:</b>	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
<b>General Readings:</b>	1. Chatterjee B et. al. <i>Chemico-Biological Interactions</i> , 1994, 92(1-3):273-9. 2. Demyan WF et. al. <i>Molecular Endocrinology</i> , 1992, 6(4):589-97. 3. Mancini MA et. al. <i>Endocrin</i>