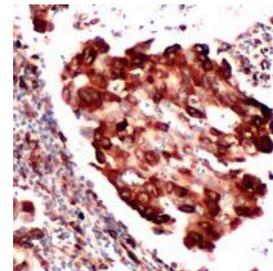


Antibody (Clone SP50)

CATALOG #:	M3500 0.1 ml purified antibody in 10mM PBS, pH 7.4 with BSA and 0.1% sodium azide.
	M3504 1 ml purified antibody in 10mM PBS, pH 7.4 with BSA and 0.1% sodium azide.
	M3501 7 ml prediluted antibody in a 50mM Tris/1% BSA buffer pH 7.6 with 0.1% sodium azide.



Human breast carcinoma stained with anti-S6 (S235/236) antibody

INTENDED USE:	For Research Use Only. Not for use in diagnostic procedures.
CLONE:	SP50
IMMUNOGEN:	Synthetic peptide derived from the region of human S6 ribosomal that contains phosphorylated serines 235 and 236
IG ISOTYPE:	Rabbit IgG
EPITOPE:	Around phosphorylated serines 235 and 236
MOLECULAR WEIGHT	31kDa
SPECIES REACTIVITY:	Human (tested). Does not react with rat (by sequence homology). Others not tested.
DESCRIPTION:	40S ribosomal protein S6 (also known as RPS6) is a ~ 31kDa substrate of p70 S6 kinase (p70S6K) and a major component of translational machinery involved in protein synthesis, cell growth, proliferation, and metabolism. RPS6 undergoes phosphorylation on multiple serines in the carboxyl terminal region in the order 236-->235-->240-->244-->247, due to the positions of these amino acid residues on the alpha-helix. Hyperphosphorylation of RPS6 stimulates protein synthesis that mediates progression through the cell cycle.
APPLICATIONS:	Immunohistochemistry (IHC)
IHC PROCEDURE:	<p>Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.</p> <p>Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.</p> <p>Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.</p> <p>Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.</p> <p>Primary Antibody Incubation: Incubate for 30 minutes at RT.</p> <p>Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.</p> <p>Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.</p>
POSITIVE CONTROL:	Breast carcinoma
CELLULAR LOCALIZATION:	Cytoplasmic
STORAGE & STABILITY	Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. Every antibody is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.
WARNINGS & PRECAUTIONS:	<ol style="list-style-type: none"> 1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water. 2. This product is harmful if swallowed. 3. This product contains sodium azide, a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing. Upon disposal, flush with large volumes of water to prevent metal azide buildup in plumbing. 4. Consult local or state authorities with regard to recommended method of disposal. In the European Union, this material and its container must be disposed of as hazardous waste. 5. Avoid microbial contamination of reagents.



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