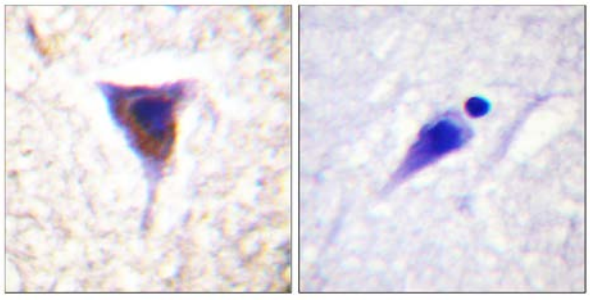
mTOR (Phospho-Ser2481) Antibody

E11-0688A

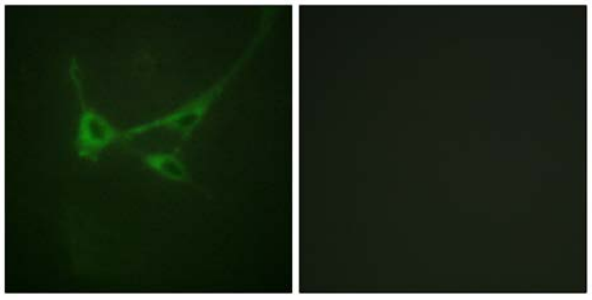
Catalog Number: E11-0688A
Concentration: 1mg/ml
Swiss-Prot No.: P42345
Other Names: FRAP, FRAP1, FRAP2, RAFT1, Rapamycin target protein, kinase mTOR
All Sites: Human: Ser2481; Mouse: Ser2481; Rat: Ser2481
Storage/Stability: Store at -20 ãC/1 ye
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human mTOR around the phosphorylation site of serine 2481 (I-H-S^P-F-I).
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Specificity: mTOR (Phospho-Ser2481) antibody detects endogenous levels of mTOR only when phosphorylated at serine 2481.
Reactivity: Human, Mouse, Rat
Applications: IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000
References:

Hajime Hosoi, Cancer Res., Feb 1999; 59: 886 - 894.
P. T. Soliman, ASCO Meeting Abstracts, Jun 2005; 23: 5080.
Megan S. Lim, Blood (ASH Annual Meeting Abstracts), Nov 2006; 108: 290.
Patrick Frost, Blood (ASH Annual Meeting Abstracts), Nov 2004; 104: 646.



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human brain tissue using mTOR (Phospho-Ser2481) antibody.



P-peptide - +

Immunofluorescence analysis of NIH/3T3 cells, using mTOR (Phospho-Ser2481) antibody.

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