



eIF2α (Phospho-Ser51) Antibody Blocking Peptide

#51279

Catalog Number: 51279

Amount: 100μg/100μl

Form of Peptide: Peptide in 10 mM phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.1 mM EDTA, 1 mg/ml BSA, 5% DMF and 5% glycerol.

Peptide Information: The synthesized phosphopeptide was derived from human eIF2α around the phosphorylation site of serine 51 (E-L-S^P-R-R).

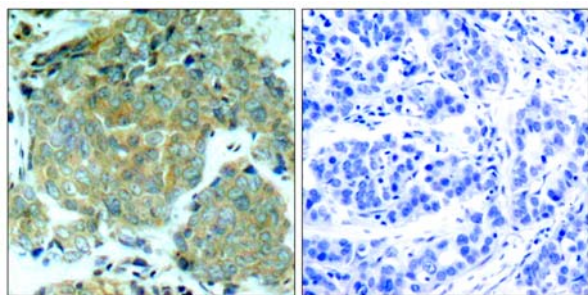
Storage: Store at -20°C.

Quality Control: The quality of the peptide was evaluated by reversed-phase HPLC and mass spectrometry.

Specificity: The peptide specifically blocks the signal of eIF2α (phospho-Ser51) antibody (#11279) completely in Western blotting and IHC.

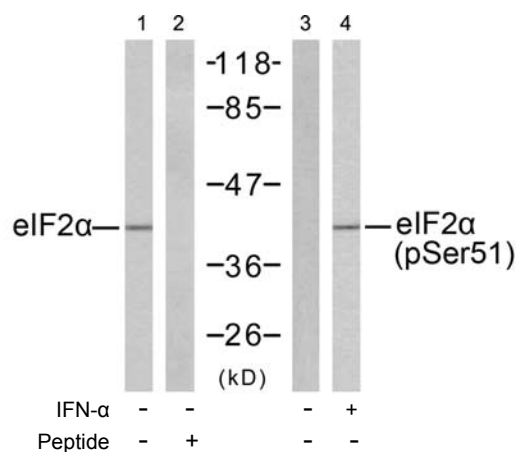
Applications: For Western blotting: add 10 μl of antibody and 10 μl of blocking peptide to 10 ml of antibody dilution buffer, and incubate at 4°C over night or at room temperature for 2 hours before allowing to react with the blot.

References: Xavier Saelens, et al. (2001) J. Biol. Chem; 276: 41620 - 41628.
Hiroiyuki Kubota, et al. (2003) J. Biol. Chem ; 278: 20457 - 20460.
Shijian Chu, et al. (2006) Am J Physiol Lung Cell Mol Physiol ; 291: L983 - L992.
Eileen Connolly, et al. (2006) Mol. Cell. Biol ; 26: 3955 - 3965.



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using eIF2α (phospho-Ser51) antibody (#11279).



Western blot analysis of extracts from K562 cells untreated or treated with IFN-α (100ng/ml, 20min), using eIF2α (Ab-51) antibody (#21271, Lane 1 and 2) and eIF2α (phospho-Ser51) antibody (#11279, Lane 3 and 4).

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