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Phospho-eIF2 alpha (Ser51) Rabbit mAb

货号: AYM28435

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC FC ICC/IF
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IF/ICC:** 1:50 - 1:200 **FC:** 1:20 - 1:50
理论分子量	36kDa
实测分子量	36kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,MCF7,293F,NIH/3T3,Mouse liver,Rat testis,PC-12
细胞定位	Cytoplasmic granule
纯化	Affinity purification

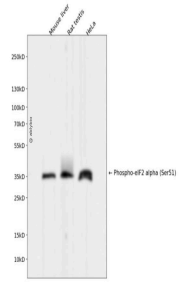
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Phospho-eIF2 alpha (Ser51).

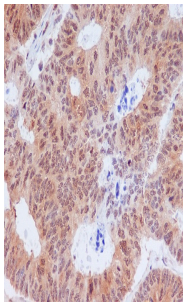
靶点信息

研究背景	The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM, Feb 2010]
基因ID	1965
基因名	EIF2S1
Swiss	P05198 (https://www.uniprot.org/uniprotkb/P05198/entry)
别名	Phospho-eIF2 alpha (Ser51),EIF 2alpha,eIF-2-alpha,eIF-2A,EIF-2alpha,EIF2 alpha,EIF2,EIF2A,EIF2S1,Eukaryotic translation initiation factor 2 subunit 1 alpha 35kDa,Eukaryotic translation initiation factor 2 subunit 1 alpha,Eukaryotic translation initiation factor 2 subunit 1,Eukaryotic translation initiation factor 2 subunit alpha,IF2A_HUMAN,Phospho-eIF2 alpha (Ser51) Rabbit mAb

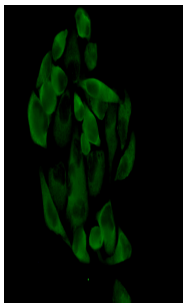
产品验证



Western blot analysis of Phospho-eIF2 alpha (Ser51) expressed in Mouse liver,Rat testis,HeLa using Phospho-eIF2 alpha (Ser51) Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunohistochemical analysis of paraffin-embedded human colon cancer, using Phospho-eIF2 alpha (Ser51) Antibody.



Immunofluorescence analysis of HeLa cells labelling Phospho-eIF2 alpha with . The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200，shown in green) at room temprature for 1h.

实验步骤

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