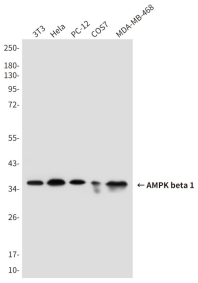
AMPK beta 1 (1A7) Mouse mAb

db6183 **Package : 50μL 100μL**

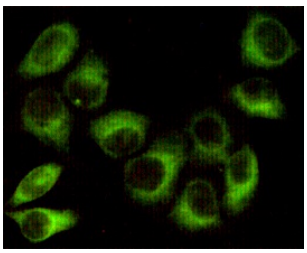
Product Name : AMPK beta 1 (1A7) Mouse mAb
Cat.No.: db6183
Synonyms : 5"-AMP-activated protein kinase subunit beta-1; AMP-activated; noncatalytic; beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; HAMPKb; PRKAB1
Application : WB, ICC/IF, IP, IHC-Fr, IHC-P
Reactivity : Human, Mouse, Rat, Monkey
Host species : Mouse

Background	AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α1, 2; β1, 2; γ1, 2, 3).
Immunogen	Purified recombinant human AMPK beta 1 protein fragments expressed in E.coli
Gene ID	5564
Swiss Prot	Q9Y478
Synonyms	5"-AMP-activated protein kinase subunit beta-1; AMP-activated; noncatalytic; beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; HAMPKb; PRKAB1
Reactivity	Human, Mouse, Rat, Monkey
Application	WB, ICC/IF, IP, IHC-Fr, IHC-P
Recommended dilution	WB: 1:500-1:1000 IHC: 1:50-1:100 ICC/IF: 1:50-1:200 IP: 1:20
Calculated MW	30 kDa
Observed MW	38 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	1A7-E11-E9
Isotype	IgG2a

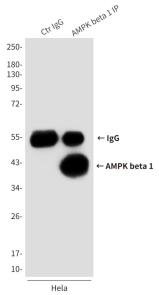
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



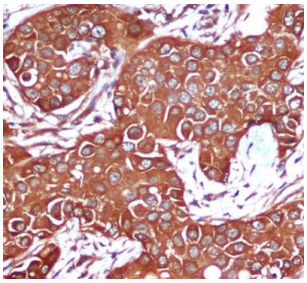
Western blot analysis of AMPK beta 1 in 3T3, Hela, PC-12, COS7 and MDA-MB-468 lysates using AMPK beta 1 antibody.



Immunocytochemistry analysis of AMPK beta 1 (1A7) in HeLa using AMPK beta 1 antibody.



Immunoprecipitation analysis of AMPK beta 1 (1A7) in Hela lysates using AMPK beta 1 antibody.



Immunohistochemistry analysis of paraffin-embedded Breast cancer using AMPK beta 1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.