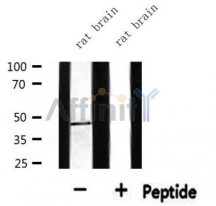
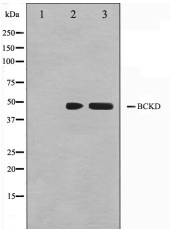
BCKD Ab

Cat.#: AF0314	Concn.: 1mg/ml	Mol.Wt.: 46kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB: 1:500~1:3000 IF/ICC: 1:100~1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	BCKD Ab detects endogenous levels of total BCKD.
Immunogen:	A synthesized peptide derived from human BCKD.
Uniprot:	O14874
Description:	BCKDK an atypical protein kinase associated with the mitochondrial matrix. Contains a HATPase_c domain, found in several ATP-binding proteins including protein histidine kinases (PHKs), PHDKs, DNA gyrase B, topoisomerases, heat shock proteins, and DNA mismatch repair proteins. Unlike PHKs, BCK dimerizes through direct interaction of two opposing nucleotide-binding domains.
Subcellular Location:	Mitochondrion matrix.
Tissue Specificity:	Ubiquitous.
Similarity:	Belongs to the PDK/BCKDK protein kinase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from rat brain, using BCKD Ab.



Western blot analysis on Jurkat and K562 cell lysate using BCKD Ab.The lane on the left is treated with the antigen-specific peptide.

AF0314 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

AF0314 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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