



MeCP2 Antibody

E12-068

Catalog Number: E12-068**Amount:** 100µg/100µl

Background: Methyl-CpG-binding protein 2 (MeCP2), whose exact function is unclear. It appears to help regulate gene activity (expression) by modifying chromatin, the complex of DNA and protein that packages DNA into chromosomes. The MeCP2 protein usually regulates genes involved in brain function, even though this protein is found throughout the body. Within the brain, the MeCP2 protein is important for the function of nerve cells (neurons) and is present in high levels in mature neurons. This protein likely plays a role in maintaining connections (synapses) between neurons, where cell-to-cell communication occurs. Many of the genes that are known to be regulated by the MeCP2 protein play a role in normal brain function, particularly the maintenance of synapses.

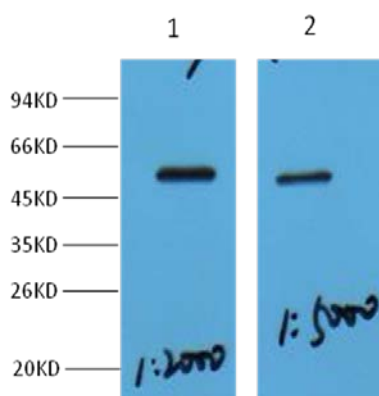
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Specificity/Sensitivity: MeCP2 rabbit polyclonal antibody detects endogenous MeCP2 proteins (~53KD).

Reactivity: Human

Applications: WB: 1:2,000-5,000



Western blot analysis of Hela cell lysate with MeCP2 rabbit pAb diluted at 1:2,000 (lane 1) and 1:5,000 (lane 2).

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