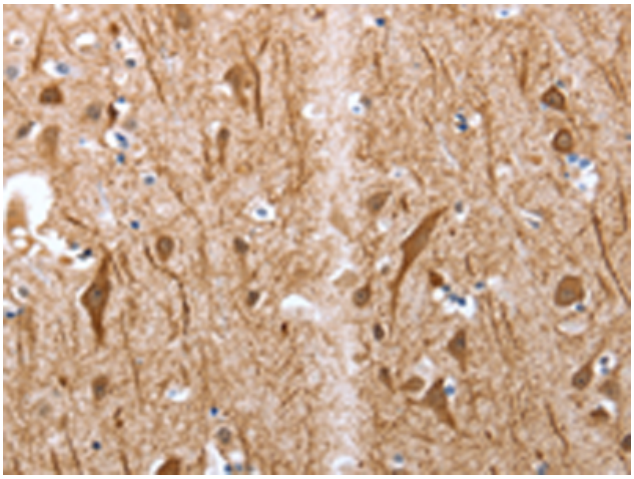
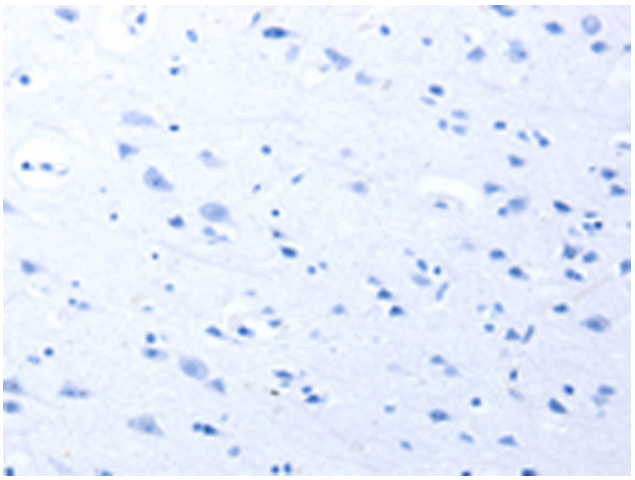
# MAP2 RABBIT PAB

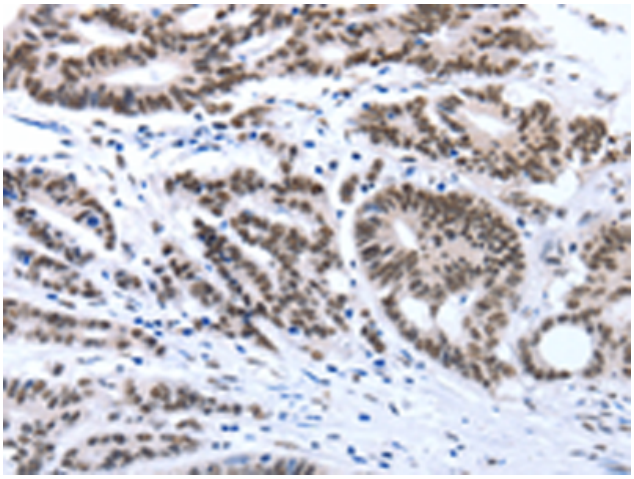
**Cat.#:** S220004
**Product Name:** Anti-Map2 Rabbit Polyclonal Antibody
**Synonyms:** MAP-2; Mtap2; Mtap-2
**UNIPROT ID:** P20357
**Background:** The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules. It contains 3 Tau/MAP repeats. Phosphorylated at serine residues in K-X-G-S motifs by causing MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), detachment from microtubules, and their disassembly.
**Immunogen:** Synthetic peptide of mouse Map2
**Applications:** ELISA, IHC
**Recommended Dilutions:** IHC: 25-100; ELISA: 1000-5000
**Host Species:** Rabbit
**Clonality:** Rabbit Polyclonal
**Isotype:** Immunogen-specific rabbit IgG
**Purification:** Antigen affinity purification
**Species Reactivity:** Human, Mouse, Rat
**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
**Research Areas:** Signal Transduction, Neuroscience, Stem Cells
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



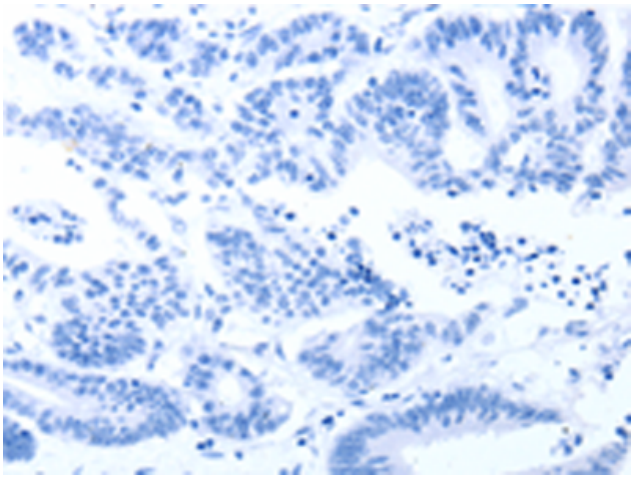
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 220004(Map2 Antibody) at a dilution of 1/25(Cytoplasm, Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 220004(Anti-Map2 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 220004(Anti-Map2 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with synthetic peptide and then with D260763(Anti-Map2 Antibody) at dilution 1/25.