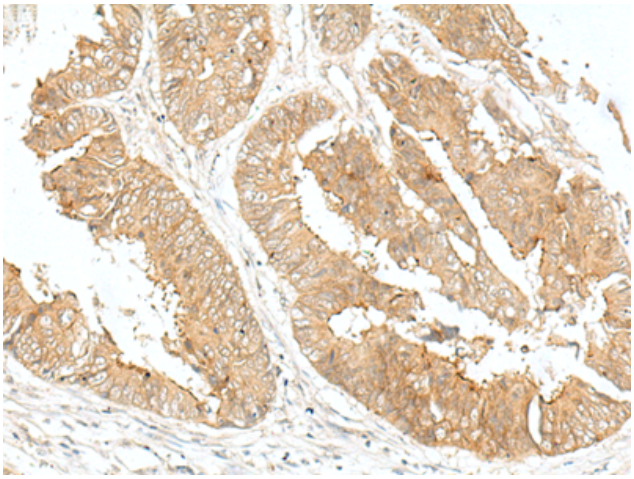
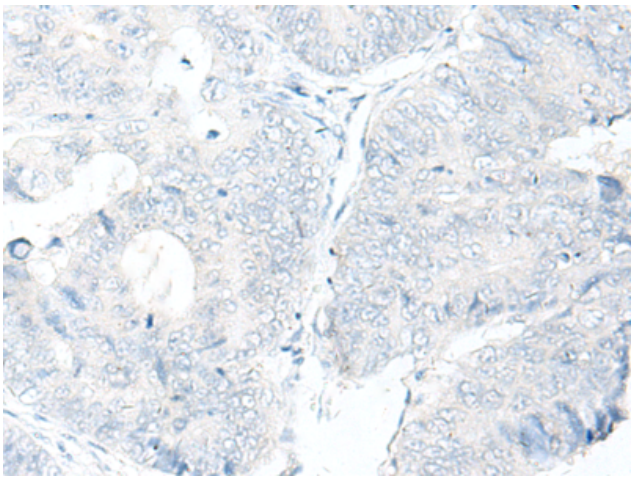
MTNR1A RABBIT PAB

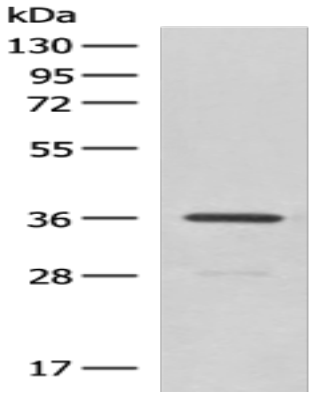
Cat.#: S213670
Product Name: Anti-MTNR1A Rabbit Polyclonal Antibody
Synonyms: MT1; MEL-1A-R
UNIPROT ID: P48039 (Gene Accession - NP_005949)
Background: This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This receptor is a G-protein coupled, 7-transmembrane receptor that is responsible for melatonin effects on mammalian circadian rhythm and reproductive alterations affected by day length. The receptor is an integral membrane protein that is readily detectable and localized to two specific regions of the brain. The hypothalamic suprachiasmatic nucleus appears to be involved in circadian rhythm while the hypophysial pars tuberalis may be responsible for the reproductive effects of melatonin.
Immunogen: Synthetic peptide of human MTNR1A
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 30-150;WB: 500-2000;ELISA: 5000-10000
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: Neuroscience
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 213670(MTNR1A Antibody) at a dilution of 1/25(Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the synthetic peptide and then with 213670(Anti-MTNR1A Antibody) at dilution 1/25.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane: SP20 cell lysate;
Primary antibody: 213670(MTNR1A Antibody) at dilution 1/500;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 1 minute