

## DDX50 RABBIT PAB

**Cat.#:** S218595

**Product Name:** Anti-DDX50 Rabbit Polyclonal Antibody

**Synonyms:** GU2; GUB; mcdrh; RH-II/GuB

**UNIPROT ID:** Q9BQ39 (Gene Accession - BC000272 )

**Background:** DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. This gene and DDX21, also called RH-II/GuA, have similar genomic structures and are in tandem orientation on chromosome 10, suggesting that the two genes arose by gene duplication in evolution. This gene has pseudogenes on chromosomes 2, 3 and 4. Alternative splicing of this gene generates multiple transcript variants, but the full length nature of all the other variants but one has not been defined.

**Immunogen:** Fusion protein of human DDX50

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

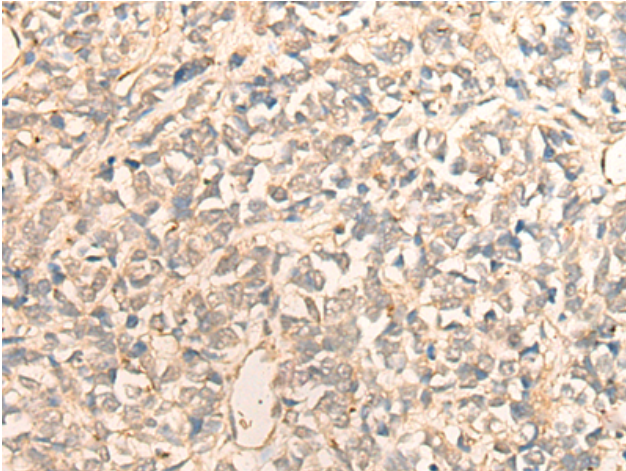
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

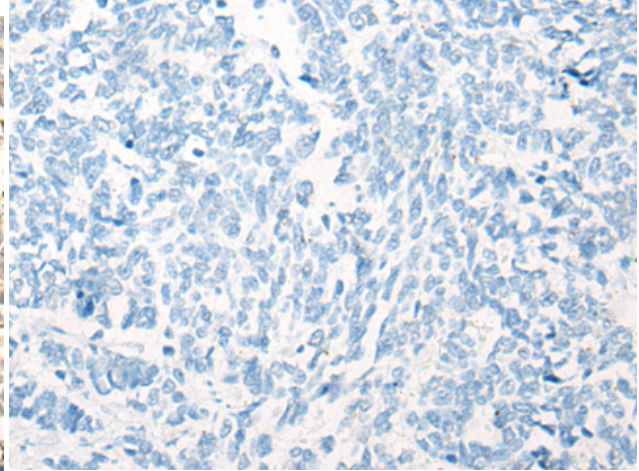
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

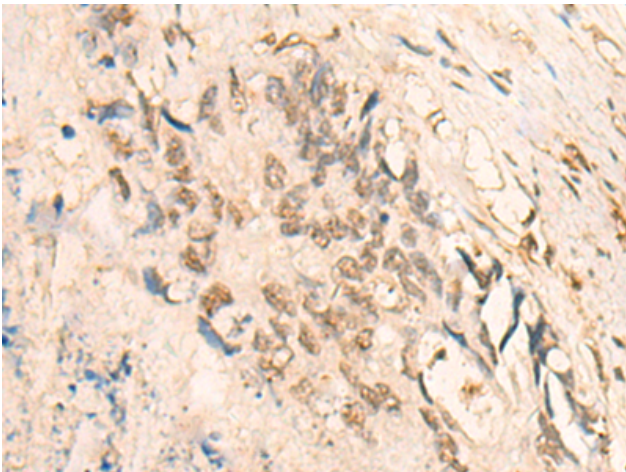
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



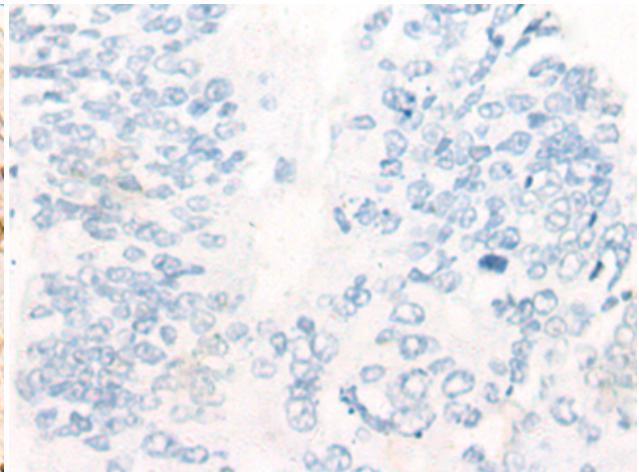
Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 218595(DDX50 Antibody) at a dilution of 1/25(Nucleus and Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the fusion protein and then with 218595(Anti-DDX50 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 218595(Anti-DDX50 Antibody) at a dilution of 1/25.



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with fusion protein and then with D224772(Anti-DDX50 Antibody) at dilution 1/25.