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Datasheet for ABIN3032467

anti-Retinoblastoma Protein (Rb) antibody (pSer788)

3 Images

Overview

| | |
|----------------------|------------------------------------------------------------|
| Quantity: | 0.4 mL |
| Target: | Retinoblastoma Protein (Rb) (Rb Protein) |
| Binding Specificity: | pSer788 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Retinoblastoma Protein (Rb) antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Dot Blot (DB) |

Product Details

| | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | This phospho-Rb antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS788 of human Rb. |
| Isotype: | Ig Fraction |
| Purification: | Antigen affinity purified |

Target Details

| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | Retinoblastoma Protein (Rb) (Rb Protein) |
| Alternative Name: | Retinoblastoma / Rb (Rb Protein Products) |
| Background: | RB1 likely acts as a regulator of other genes. It forms a complex with adenovirus E1A and with SV40 large T antigen, acts as a tumor suppressor, and may bind and modulate functionally |

Target Details

certain cellular proteins with which T and E1A compete for pocket binding. RB1 is a potent inhibitor of E2F-mediated trans-activation, and also recruits and targets histone methyltransferase SUV39H1 leading to epigenetic transcriptional repression. This protein inhibits the intrinsic kinase activity of TAF1. Defects in RB1 are the cause of childhood cancer retinoblastoma (RB), a congenital malignant tumor that arises from the nuclear layers of the retina. Defects in RB1 are also a cause of bladder cancer and osteogenic sarcoma.

UniProt: [P06400](#)

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Titration of the phospho-Rb antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

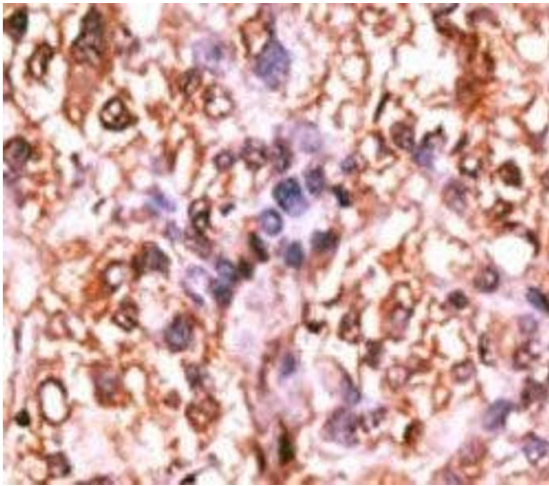
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

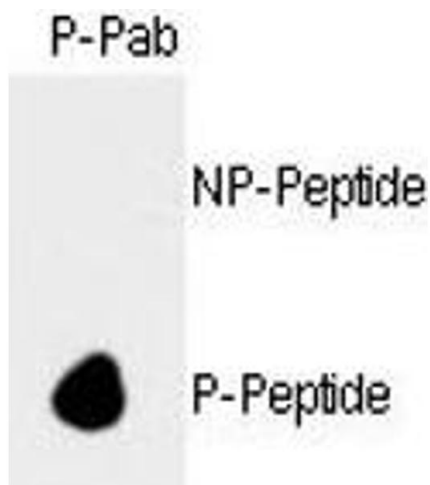
Storage: -20 °C

Storage Comment: Aliquot the phospho-Rb antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



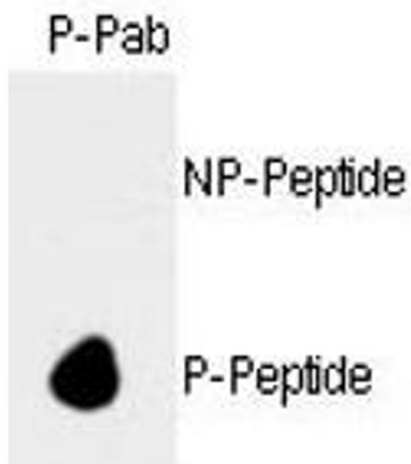
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with the phospho-Rb antibody.



Dot Blot

Image 2. Dot blot analysis of phospho-Rb antibody. 50ng of nonphos-peptide or phos-peptide were adsorbed on their respective dots.



Dot Blot

Image 3. Dot blot analysis of phospho-Rb antibody. 50ng of nonphos-peptide or phos-peptide were adsorbed on their respective dots.