



Keratin, Pan Ab-2 (PAN-CK Cocktail)

Mouse Monoclonal Antibody

Cat. #DLN-09108, DLN-09109, or DLN-09107 (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)

Cat. #DLN-09110 or DLN-09111 (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

Cat. #DLN-09112 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Description: Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI <5.7) and basic (pI >6.0) subfamilies. Members of the acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with the epithelial cell type, stage of differentiation, cellular growth environment, and disease state. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

Comments: Ab-2 is a broad spectrum anti pankeratin antibody cocktail, which recognizes keratins 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 18, and 19. . Ab-2 cocktail differentiates epithelial tumors from nonepithelial tumors.

Epitope: Not determined

Species Reactivity: Human. Others not known.

Designation: PAN-CK

Ig Isotype: IgG's

Applications and Suggested Dilutions:

- Immunofluorescence
- Immunohistology (Formalin/paraffin) (Ab 1-2µg/ml for 30 min at RT)
- * [For staining of formalin-fixed tissues, digest sections with trypsin at 1mg/ml PBS, 10 min at 37°C, or Protease XXV at 1mg/ml PBS for 5 minutes at 37°C]

The optimal dilution for a specific application should be determined by the investigator

Positive Control: Skin

Cellular Localization: Cytoplasmic

Supplied As:

200µg/ml antibody purified from the ascites fluid by Protein A or G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.



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Suggested References:

1. Woodcock-Mitchell J; et al. Journal of Cell Biology, 1982 Nov, 95(2 Pt 1):580-8.
2. Tseng SC; et al. Cell, 1982 Sep, 30(2):361-72.
3. Eichner R; et al. Journal of Cell Biology, 1984 Apr, 98(4):1388-96.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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