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Product Data Sheet

Purified anti-Cytokeratin (pan reactive)

Catalog # / Size: 628601 / 25 µg
628602 / 100 µg

Clone: C-11

Isotype: Mouse IgG1, κ

Immunogen: Keratin enriched fraction from human epidermoid carcinoma.

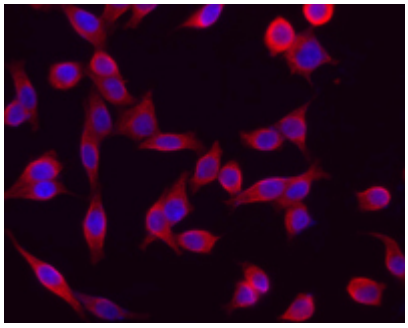
Reactivity: Reacts with conserved epitope in all species tested. Recognizes cytokeratin 4, 5, 6, 8, 10, 13, and 18.

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Hela cells stained with purified mouse monoclonal antibody against pan Cytokeratin (clone C-11), followed by Rhodamine Red-X conjugated Donkey anti-mouse IgG and DAPI

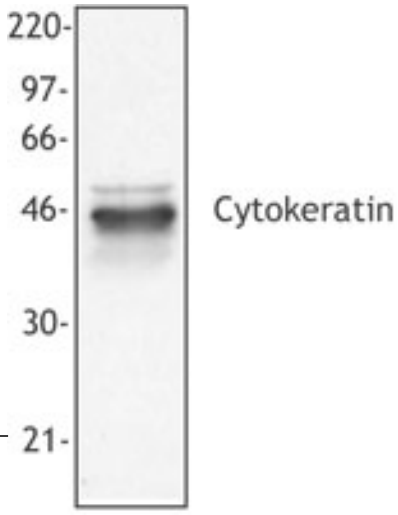
Applications:

Applications: WB - *Quality tested*
IP, IHC, ICC, IF - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg antibody per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a dilution range of 1-4 µg/ml. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Kovarik J. 1988. *Int. J. Cancer Suppl.* 3:50.
2. Bartek J, *et al.* 1991. *J. Pathol.* 164:215.
3. Chernyavsky A I, 2007. *J. Biol. Chem.* doi:10.1074/jbc.M611365200. PubMed
4. Comito G, *et al.* 2012. *Cancer Lett.* 324:31. PubMed
5. VojtÄ•sek B, *et al.* 1989. *Folia Biol (Praha).* 35:373. (reactivity with rat, dog, sheep, pig, cow)
6. Dekaney CM, *et al.* 2005. *Gastroenterology* 129:1567. (ICC)



Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal ant-cytokeratin antibody (clone C-11). Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

Description: Cytokeratins are intermediate filament proteins that are widely expressed in many tissues. These proteins are vital components of the cytoskeleton and interact with a number of other proteins. Cytokeratins are usually found in the cytoplasm,although some cytokeratins can be found in the nucleus and the nucleolus. The C-11 monoclonal antibody reacts with conserved epitope in all species tested of cytokeratin 4, 5, 6, 8, 10, 13, and 18. This antibody has been shown to be useful for Western blotting and has also been reported to be useful for immunoprecipitation, immunohistochemistry (paraffin sections), and immunocytochemistry.

Related Products:

Product	Clone	Application
Purified Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, FC, WB, IHC

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