

Product Datasheet

Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric - Azide and BSA Free NBP3-12014-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP3-12014-0.2mg

Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric - Azide and BSA Free

| Product Information | |
|---------------------|--|
| Unit Size | 0.2 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality | Monoclonal |
| Clone | OV-TL 12/30 |
| Preservative | 0.02% Proclin 300 |
| Isotype | IgG Kappa |
| Purity | Protein A purified |
| Buffer | PBS |

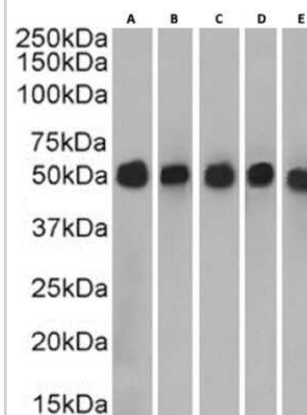
| Product Description | |
|-------------------------|--|
| Description | Novus Biologicals Rabbit Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric - Azide and BSA Free (NBP3-12014) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 3855 |
| Gene Symbol | KRT7 |
| Species | Human |
| Specificity/Sensitivity | This antibody recognizes cytokeratin-7. Cytokeratins are a subfamily of intermediate filament proteins but this antibody does not recognize other intermediate filament proteins. The antibody reacts with proteins that are found in most ductal, glandular, transitional, and biliary duct epithelial cells. |
| Immunogen | This antibody was originally raised by immunizing BALB/c mice with ovarian carcinoma cell line OTN11. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence |
| Application Notes | This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques. |

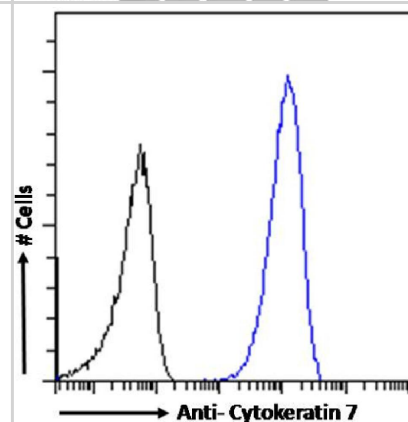


Images

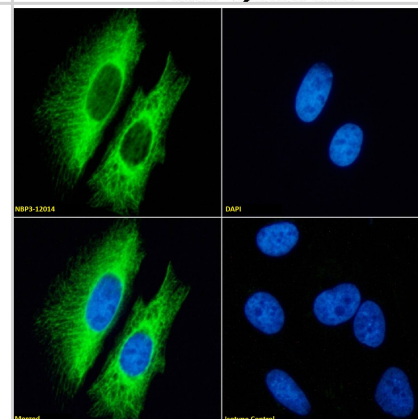
Western Blot: Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric [NBP3-12014] - HeLa(A) (0.00001ug/ml), HepG2(B) (0.0003ug/ml) and A549(C) (0.00001ug/ml) cell lysate and human thyroid(D) (0.0003ug/ml) and human placenta(E) (0.00001ug/ml) tissue lysate (35ug protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of OV-TL 12/30 (NBP3-12014) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Flow Cytometry: Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric - Azide and BSA Free [NBP3-12014] - HeLa cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-12014 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunocytochemistry /Immunofluorescence: Cytokeratin 7 Antibody (OV-TL 12/30) - Chimeric - Azide and BSA Free [NBP3-12014] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix(TM) coverslips stained with NBP3-12014 at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: NBP3-12014, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.





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Products Related to NBP3-12014-0.2mg

| | |
|--------------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| H00003855-P01-10ug | Recombinant Human Cytokeratin 7 GST (N-Term) Protein |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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