Product Datasheet

Anti-Cytokeratin 7 [OV-TL 12/30] (orb758970)

Catalog Number	orb758970
Category	Antibodies
Description	Mouse monoclonal antibody to Cytokeratin 7
Target	Cytokeratin 7
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	This antibody was originally raised by immunizing BALB/c mice with ovarian carcinoma cell line OTN11.
UniProt ID	**P08729**
Tested applications	FC, IF, IHC, WB
Specificity	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.

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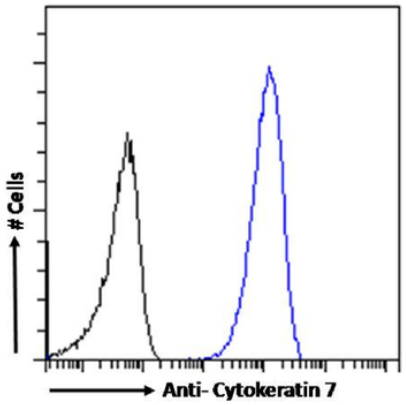
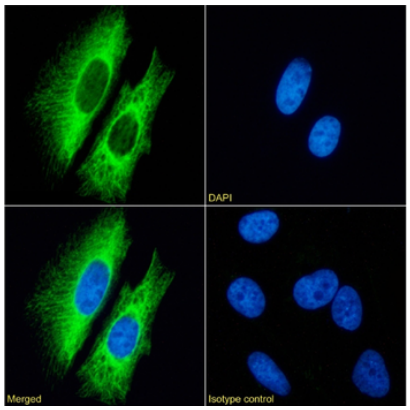
Clone Number	OV-TL 12/30
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry using the anti-Cytokeratin 7 antibody OV-TL 12/30. HeLa cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG1 version of OV-TL 12/30 (orb758971, 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.



Immunofluorescence staining of fixed HeLa cells with anti-Cytokeratin 7 antibody OV-TL 12/30. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of OV-TL 12/30 (orb758971) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb758971, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.

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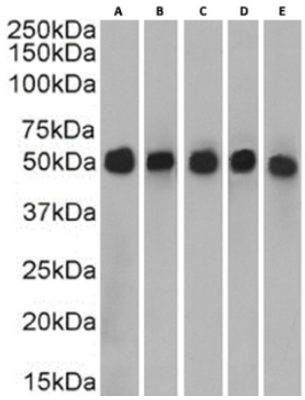

Western Blot using anti- Cytokeratin 7 antibody OV-TL 12/30 HeLa(A) (0.00001 µg/ml), HepG2(B) (0.0003 ug/ml) and A549(C) (0.00001 µg/ml) cell lysate and human thyroid(D) (0.0003 ug/ml) and human placenta(E) (0.00001 µg/ml) tissue lysate (35 µg protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of OV-TL 12/30 (orb758971) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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