

Antibody Validation Report



I. Target Information

Target name	TMPRSS2
HGNC ID	HGNC:11876
UniProt accession number (reference multiple if applicable)	O15393

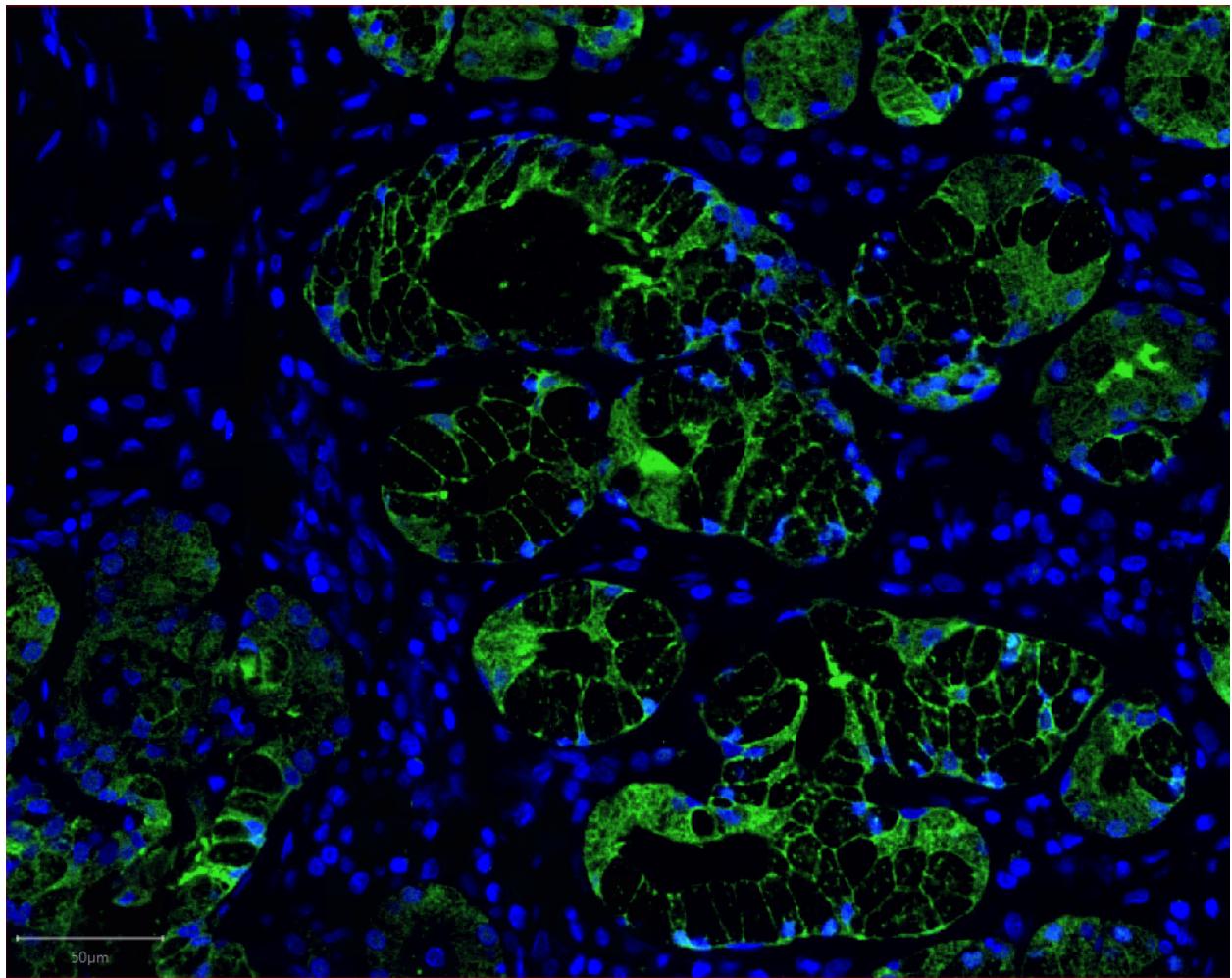
II. Antibody Information

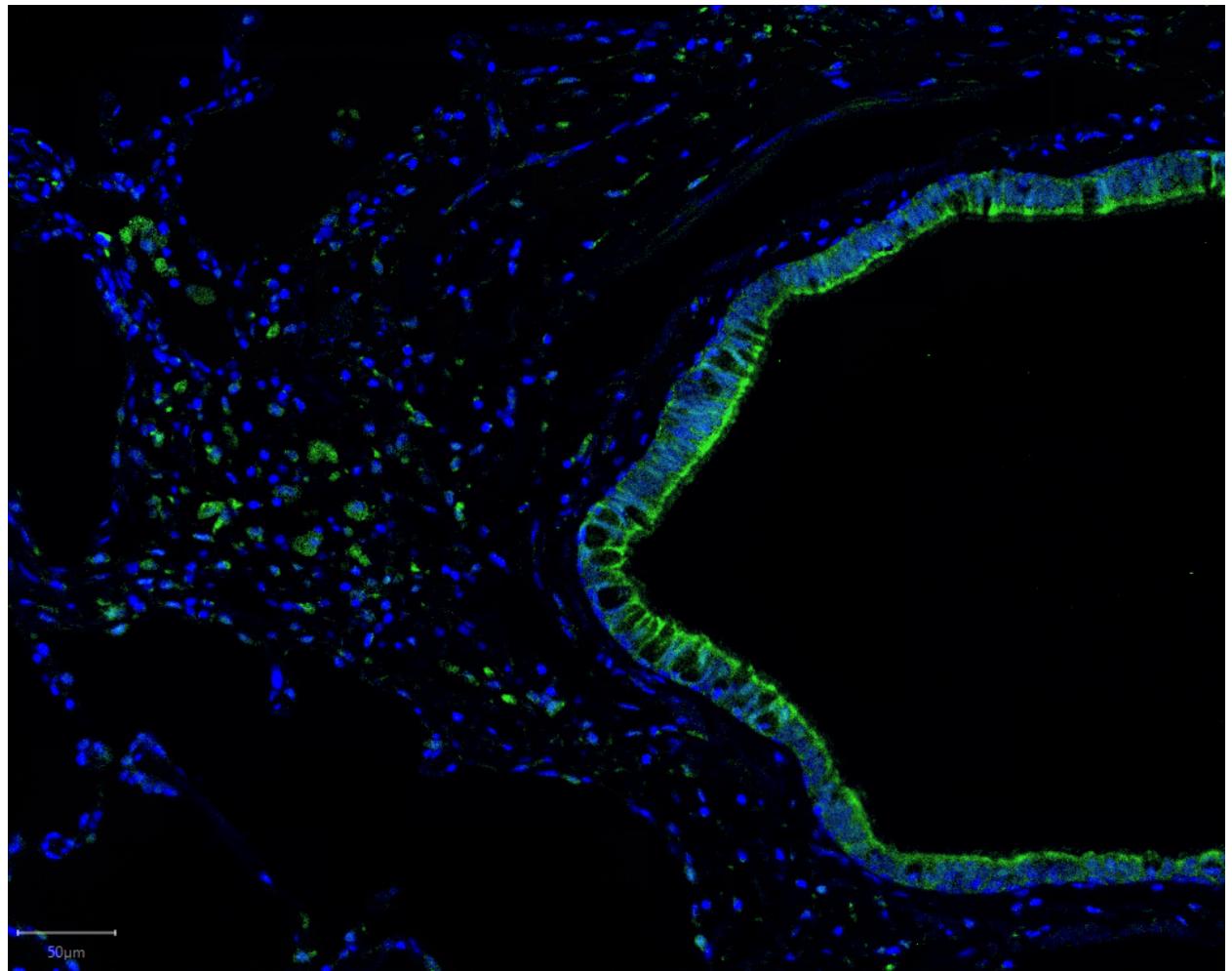
RRID	AB_2905504
Host	Rabbit
Isotype	IgG
Clonality	EPR3861
Vendor	Abcam
Catalog number	ab239905
Recombinant (Y/N)	Y
Tissue preservation method	FFPE
Organ or tissue used for validation	Lung
Organ Uberon ID	UBERON:0002048
Antibody-based imaging method	Cell DIVE
Conjugate	Cy3
Author ORCID	0000-0002-9185-3994, 0000-0001-6638-683X, 0000-0002-0571-0285, 0000-0002-7334-4571, 0000-0002-9143-6509
Vendor Affiliation	

Additional antibody information (optional)

OMAP ID	OMAP-7
Lot number	GR329302-2
	GR3293024-4
Antigen retrieval details	pH 6, pH 9
Manuscript citation DOI	
Validation protocol DOI	https://dx.doi.org/10.17504/protocols.io.b4kgqutw

III. Exemplary Image from HuBMAP





Caption: Cell DIVE Image of TMPRSS2 at 5 µg/mL in human lung tissue (green). DAPI is in blue.

IV. Validation Data

a. Vendor Validation

Data sheet URL	Link
Date accessed	2/28/2023
Vendor suggested use	IHC, WB

b. Laboratory Validation

Controls used – check those that apply

Positive/negative control tissues	Isotype control	Peptide block	Phosphatase treatment	Cell line controls	Other (please list)
X	X				

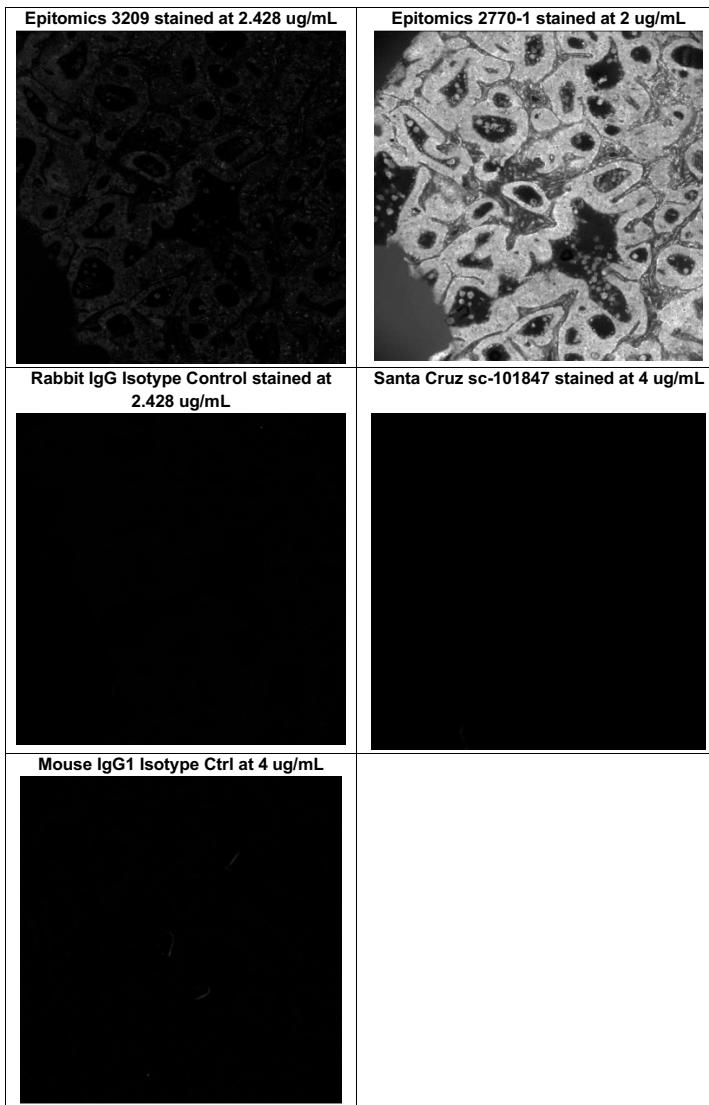
Other antibodies tested?

Vendor and catalog number	Clonality	Backup clone or not recommended
Epitomics, 3279	EPR3862	Unavailable, non-specific
Epitomics, 2770-1	EPR3861	Unavailable
Santa Cruz, sc-101847	P5H9 A3	Not recommended

Supplemental Data:

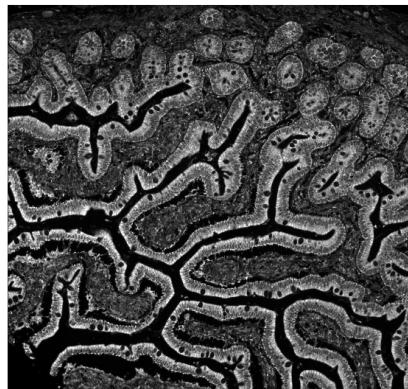
i. Primary characterization

C5 – MTU391 Lung Adenocarcinoma Grade II, P014, propagated display map: 0.00 to 1826.93



ii. Antigen Effects (if applicable)

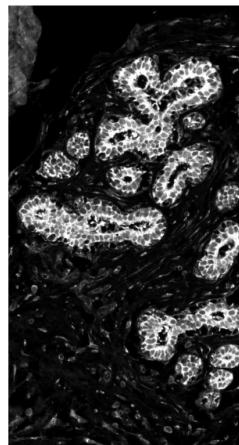
0 rounds of Dye Inactivation
58-6336



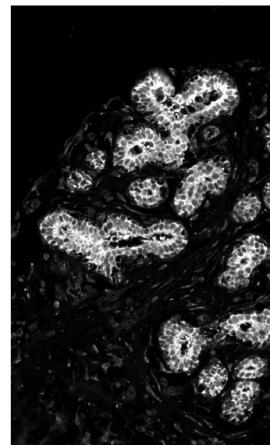
10 Rounds of Dye Inactivation
58-6336



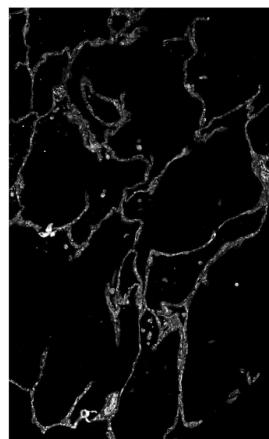
0 rounds of Dye Inactivation
58-6336



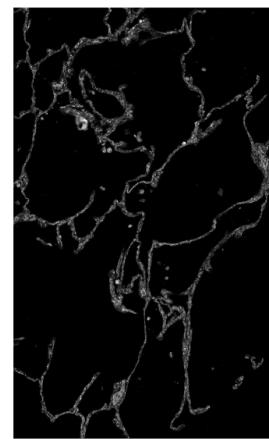
10 Rounds of Dye Inactivation
58-6336



0 rounds of Dye Inactivation
67-2816

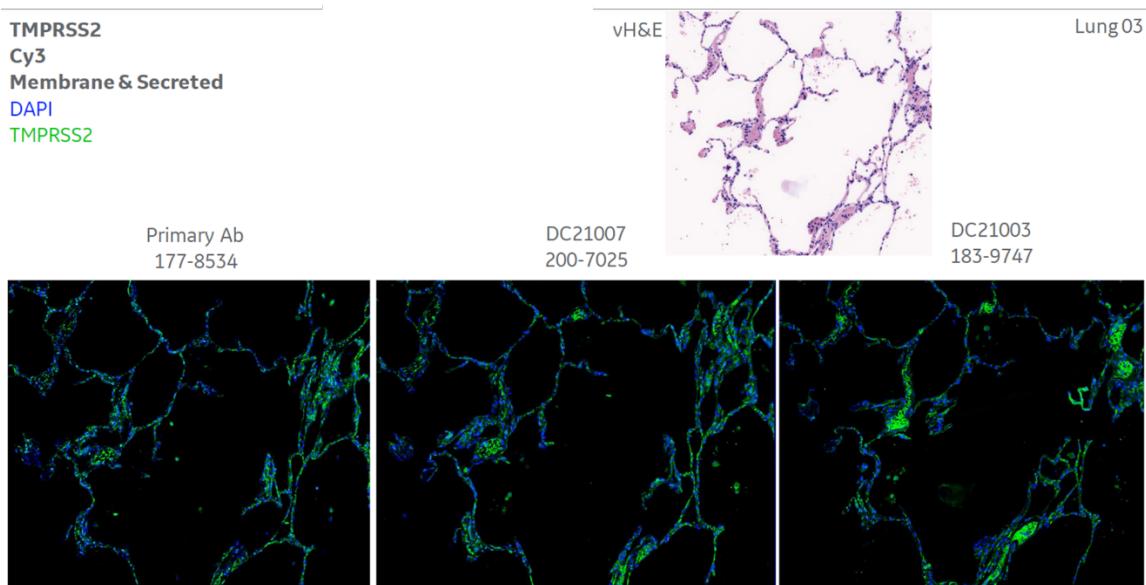


10 Rounds of Dye Inactivation
67-2816



iii. Direct Conjugation (if applicable)

Two D:P ratios of direct conjugate stained at 5ug/mL, compared to Pri-Sec



One DC from above, stained at 10ug/mL

