

## Datasheet: MCA6354

<b>Description:</b>	RABBIT ANTI TTF1
<b>Specificity:</b>	TTF1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM373
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/500 - 1/1000
Western Blotting	▪			1/1000 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to the N-terminus of human TTF1
<b>External Database Links</b>	<b>UniProt:</b>

[P43699](#)   [Related reagents](#)

**Entrez Gene:**

[7080](#) NKX2-1   [Related reagents](#)

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**Synonyms**      NKX2A, TITF1, TTF1

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**Specificity**      **Rabbit anti TTF1 antibody** recognizes homeobox protein Nkx-2.1, also known as NKX2-1 and thyroid transcription factor 1 (TTF1).

TTF1 is a homeobox-containing transcription factor expressed during embryonic development of the thyroid, respiratory epithelium, and diencephalon. Expression of TTF1 in normal tissues is restricted to the thyroid and pulmonary epithelium, but the gene can be overexpressed in thyroid tumors and pulmonary neoplasms ([Aversa and Bellan 2018](#)). As such, TTF1 is used alongside GATA3 to distinguish primary lung adenocarcinoma from metastatic bladder cancer ([Zhao et al. 2019](#)). TTF1 appears to have dual roles in cancer cell survival and progression ([Huang et al. 2017](#)).

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**Storage**      Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**      12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #10048 available at: 10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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**Regulatory**      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)      [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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