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We like working with PROGEN keratin antibodies – they help us produce selective, specific, reproducible and reliable results!

”

Prof. Thomas Magin,  
Institute of Biology, University of Leipzig, Germany



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- Established quality since 1983
- Multiple applications
- Thorough antibody validation
- Highly published
- Next generation antibodies pipeline



**PROGEN**  
passion for research

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**PROGEN**  
passion for research



### Reliable antibodies for reproducible data

Scientists need antibodies that simply work – time after time. PROGEN serves specifically to today's urgent customer need for high quality and reliability.

- Established manufacturer since 1983
- DIN ISO 13485 certified company since 2010
- Antibodies from scientific collaborations with leading research groups

### Thorough antibody validation



#### Application confirmed

- Test of western blot antibody performance with positive controls



#### Highly published

- Antibodies are among the most published in biomedical and cell biology literature



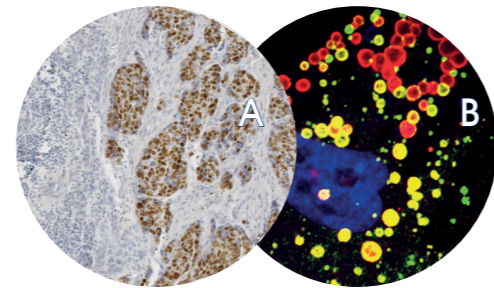
#### External validation

- Independent quality control on relevant tissue sections or cells of every new lot of IHC and ICC antibodies

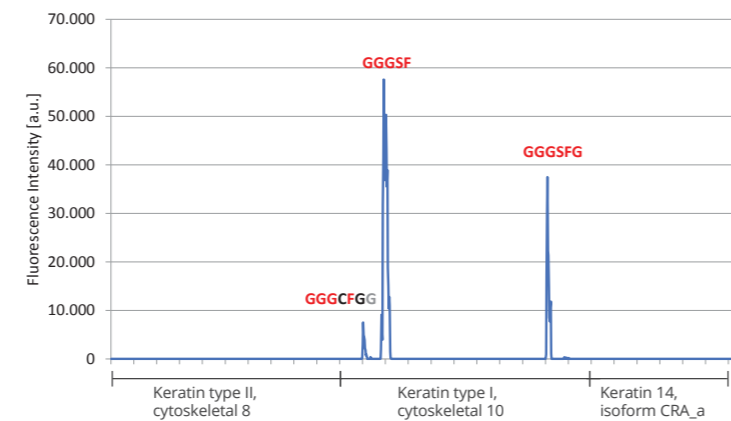


#### Validated by epitope mapping

- Generation of dependable data to characterize antibody selectivity and specificity
- Testing for cross-reactivity
- This approach has been "highly commended" in the 2018 CiteAb validation award



A) p53 staining (Cat. No. 61039L) in human squamous cell carcinoma.  
 B) IF double-staining of perilipin 1 (red, Cat. No. 651156) and perilipin 2 (green, Cat. No. GP41) in human pre-adipose cells, DAPI-labeled nucleus (blue).  
 (A) Image courtesy of J. Heß, University Hospital Heidelberg.  
 (B) Image courtesy of W. Franke, DKFZ Heidelberg.



Microarray of overlapping peptide fragments of keratins 8, 10, and 14, incubated with the mouse keratin 10 (DE-K10) antibody. Intensity plot with antibody response against peptides with the consensus motif „GGGXFX“.  
 [Data by PEPperPRINT GmbH]

### Next generation antibodies for protein detection, quantification & purification

- Tailored recombinant antibodies that are superior to classical immunochemicals with respect to reliability and specificity will enable advanced research applications. Their animal-free production is reliable and guarantees batch-to-batch consistent quality.
- With the new *protag* product line, PROGEN offers a selection of single-domain antibodies (sdAbs) that are labeled with a choice of fluorescent dyes for superior IF or that are immobilized on agarose beads for effective protein purification. These immunochemicals outperform conventional antibodies especially in tissue permeability and access to target proteins.
- PROGEN is building a pipeline of next generation immunochemicals for protein detection, quantification and purification – in different formats and for new applications. We are open for collaborations with the goal to create novel immunochemical tools that facilitate basic workflows in the lab.

## QUALITY ANTIBODIES

### INNOVATION



DEVELOPMENT OF NEXT GENERATION RECOMBINANT ANTIBODIES



GERMAN STIFTERVERBAND AWARD FOR INNOVATIVE RESEARCH

### ANTIBODY VALIDATION

PEPTIDE MAPPING OF WESTERN BLOT ANTIBODIES



PRODUCT LABELING WITH QUALITY STAMPS FOR EASIER SELECTION



CiteAb AWARD 2018 "HIGHLY COMMENDED"

### SERVICE



BY EXPERIENCED SCIENTIFIC STAFF

POSITIVE CONTROLS FOR INDIVIDUAL VALIDATION

DATA ON APPLICATIONS, SELECTIVITY & SPECIFICITY



Adhesion, Junctions & Desmosomes

Cell Cycle & Apoptosis

Cytokeratins & Hair Keratins

Cytoskeleton & Nuclear Antigens

Endocrinology

Immunology

Lipid Metabolism

Nephrology

Neurobiology

Sperm Cell Proteins

Tumor Biology

Secondary Antibodies

Tag Antibodies

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Image: IHC-staining of anti-desmoplakin 1/2 (Cat. No. 61003) in human uvula tissue, courtesy of J. Heß, University Hospital Heidelberg