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# *Chemicon Upstate Antibody Capacity and Strategy*

# Process

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**7,000 antibodies in the catalog today and are adding 1,500 plus in 2006**

- Target Identification
  - Business Segment Teams, Literature, Consultants, Customers....
- Format
  - In-house, out-source, License
  - Affinity format
    - mAb, pAb, rat, rabbit monoclonals, recombinant antibodies
- Antigen sources
  - Native protein, recombinant protein, peptides, cell lysates
- Antibody Development
- Validation
  - Denatured or native proteins (Wb, IP, IHC, ICC, ELISA, etc...)
- Production
  - Antisera, affinity purified

# ***Bottlenecks/Areas for Collaboration***

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- Targets
- Antigens
- Antibody characterization
  
- Examples:
  - HPR
    - Catalog antibodies validated in IHC by HPR, included in Protein Atlas
  - Co-Lab
    - Individual researchers provide targets
    - We provide AB
    - Researcher validates in his application
    - We sell product after publication